

CE

Passage control module mod. ETR-VARCO TECHNICAL MANUAL **GLOBAL SECURITY SOLUTIONS**

FOREWORD

FOR THE INSTALLER:

Please follow carefully the specifications relative to electric and security systems realization further to the manufacturer's prescriptions indicated in the manual provided.

Provide the user the necessary indication for use and system's limitations, specifying that there exist precise specifications and different safety performance levels that should be proportioned to the user needs. Have the user view the directions indicated in this document.

FOR THE USER:

Periodically check carefully the system functionality making sure all enabling and disabling operations were made correctly.

Have skilled personnel make the periodic system's maintenance. Contact the installer to verify corect system operation in case its conditions have changed (e.g.: variations in the areas to protect due to extension, change of the access modes, etc.).

This device has been projected, assembled and tested with the maximum care, adopting control procedures in accordance with the laws in force. The full correspondence to the functional characteristics is given exclusively when it is used for the purpose it was projected for, which is as follows:

Passage control module

Any use other than the one mentioned above has not been forecasted and therefore it is not possible to guarantee its correct operativeness.

The manufacturing process is carefully controlled in order to prevent defaults and bad functioning. Nevertheless, an extremely low percentage of the components used is subjected to faults just as any other electronic or mechanic product. As this item is meant to protect both property and people, we invite the user to proportion the level of protection that the system offers to the actual risk (also taking into account the possibility that the system was operated in a degraded manner because of faults and the like), as well as reminding that there are precise laws for the design and assemblage of the systems destinated to these kind of applications.

The system's operator is hereby advised to see regularly to the periodic maintenance of the system, at least in accordance with the provisions of current legislation, as well as to carry out checks on the correct running of said system on as regular a basis as the risk involved requires, with particular reference to the control unit, sensors, sounders, dialler(s) and any other device connected. The user must let the installer know how well the system seems to be operating, based on the results of periodic checks, without delay.

Design, installation and servicing of systems which include this product, should be made by skilled staff with the necessary knowledge to operate in safe conditions in order to prevent accidents. These systems' installation must be made in accordance with the laws in force. Some equipment's inner parts are connected to electric main and therefore electrocution may occur if servicing was made before switching off the main and emergency power. Some products incorporate rechargeable or non rechargeable batteries as emergency power supply. Their wrong connection may damage the product, properties and the operator's safety (burst and fire)

EU DECLARATION OF CONFORMITY

The product complies with current European EMC and LVD directives. The full text of the EU declaration of conformity is available at the following Internet address: elmospa.com – registration is quick and easy.



ETR-VARCO is an electronic designed for a sophisticated passage control system, in fact it allows to manage people passage through doors or ways considered sensitive and therefore to be kept under stict control.

ETR-VARCO is compatible with ETR128, ETR256 and ETR512 units, a special setup enables to manage passage activity and to save in log events actions made by users authorized to transit.

Each authorized user, in fact, can access the passage from two directions in various ways, if authorized, he/she can arm or disarm preset areas and partitions.

Passage system can be realized by wiring the module and inserting it in a proper housing or by installing it inside nearest RIVER2 or RIVER3 concentrator metal housing.

Module ID code setup is made by using internal selector, 127 addresses totally.

ETR-VARCO is managed by the unit as a control device, maximum number of ETR-VARCO which can be installed in a system managed by ETR units is 31.ETR-VARCO.

2. FEATURES

2.1 Electric features

	Model:	ETR-VARCO
	External aspect:	Electronic board.
	Power supply:	13.8V supplied by ETRxx unit or remote box.
	Power consumption @ 13,	8V: 35 mA , max 50 mA referred to the module only.
	Function:	Proximity or PROXI keys reader.
	Protocol:	Wiegand on 26 bit.
	Reading devices :	RF type, for example RF10, RFK101 or similar.
	Code programme:	8 pin dipswitch, 127 addresses totally.
	Wirings:	2 terminal boards and 2 connectors for 2 readers mod. I6 or I7.
	Zones:	Zone terminals for door opening button, tamper, opening control.
	Outputs:	Passage relay for door opening with C - NA - NC contacts for control of elec-
tro	nic lock for door opening.	
	Auxiliary outputs:	2 Open Collector outputs controlled by the unit (for future applications).
	Serial line:	RS485 (of ETR units) and serial line termination option with jumper on the
bo	ard.	
	Function Options:	Selection jumpers of security level HIGH / NORMAL.
	Functioning temperature:	-10 / +45 °C guaranteed by the maufacturer, 93% UR.
	Dimensions:	H 68 x L 127 x P 25 mm.
	Weight:	80g
	Equipment:	Electronic board, 4 nylon spacer, 2 connectors with cable for reader connec-
tio	n	

tion.

NOTE: Module must be used combined with a RIVER concentrator from which it uses a zone to be connected to door status magnetic contact.



3. BLOCK DIAGRAM OF A SYSTEM MANAGED BY AN ETR SERIES CONTROL UNIT



NOTE 1: DIAGRAM ABOVE DOES NOT SHOW CONNECTION OF ADDITIONAL EXTERNAL POWER SUPPLY UNITS (e.g. C11/K UNIT). THESE DEVICES ARE TO BE CONNECTED ON-SITE TO POWER CONCENTRATORS CONNECTED TO RS485 LINE AND TO OTHER DEVICES.



Wiring to terminal board diagram.



))))

.



EL.MO.



4.1 Proximity readers/AXM Axxess magnetic badge wiring

To enable AXM Axxess magnetic badge readers function, follow these instructions:

- 1. Connect AXM Axxess magnetic badge readers.
- 2. Close S1.
- 3. Reset the device.

Strating from this stage on, device functioning is similar to functioning with proximity cards readers. Internal codes communication to the board is made always on "High security".

Necessary wiring for readers are indicated in following image:





External led and buzzer wiring:



Note: Outputs are Opern Collector type, suitabel for 30 mA power. External buzzer can be used also with PROXY key readers.



ID ⊥		001	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	002	8 7 6 5 4 3 2 1 ON	003	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	004	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	005	8 7 6 5 4 3 2 1
0 06	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	007	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	008	8 7 6 5 4 3 2 1	009	8 7 6 5 4 3 2 1	010	8 7 6 5 4 3 2 1	011	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
012	8 7 6 5 4 3 2 1	013	8 7 6 5 4 3 2 1	014	8 7 6 5 4 3 2 1	015	8 7 6 5 4 3 2 1	016	8 7 6 5 4 3 2 1	017	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
018	8 7 6 5 4 3 2 1	019	8 7 6 5 4 3 2 1	020	87654321	021	8 7 6 5 4 3 2 1	022	87654321	023	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
024	87654321	025	8 7 6 5 4 3 2 1	026	87654321	027	8 7 6 5 4 3 2 1	028	87654321	029	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
030	8 7 6 5 4 3 2 1	031	8 7 6 5 4 3 2 1 • • • • • • • • • • • • • • • • • • •	032	8 7 6 5 4 3 2 1	033	8 7 6 5 4 3 2 1	034	8 7 6 5 4 3 2 1	035	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
036	87654321 000000000000000000000000000000000000	037	8 7 6 5 4 3 2 1 ON	038	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	039	8 7 6 5 4 3 2 1 ON	040	87654321 000000000000000000000000000000000000	041	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
042	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	043	8 7 6 5 4 3 2 1 • • • • • • • • • • • • • • • • • • •	044	87654321 000000000000000000000000000000000000	045	8 7 6 5 4 3 2 1 	046	87654321 	047	8 7 6 5 4 3 2 1 ON
048	8 7 6 5 4 3 2 1	049	8 7 6 5 4 3 2 1	050	8 7 6 5 4 3 2 1 	051	8 7 6 5 4 3 2 1	052	87654321 	053	87654321 000000000000000000000000000000000000
054	87654321 ••••••••••••••••••••••••••••••••••••	055	8 7 6 5 4 3 2 1	056	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	057	8 7 6 5 4 3 2 1	058	87654321 ••••••••••••••••••••••••••••••••••••	059	8 7 6 5 4 3 2 1
060	8 7 6 5 4 3 2 1 ON	061	8 7 6 5 4 3 2 1 • • • • • • • • • • • • • • • • • • •	062	8 7 6 5 4 3 2 1 ON	063	8 7 6 5 4 3 2 1 ON	064	8 7 6 5 4 3 2 1 ON	065	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
066	87654321 000000000000000000000000000000000000	067	8 7 6 5 4 3 2 1	068	8 7 6 5 4 3 2 1 ON	069	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	070	87654321 000000000000000000000000000000000000	071	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
072	87654321 ••••••••••••••••••••••••••••••••••••	073	8 7 6 5 4 3 2 1	074	87654321 000000000000000000000000000000000000	075	87654321 ••••••••••••••••••••••••••••••••••••	076	87654321 000000000000000000000000000000000000	077	87654321 000000000000000000000000000000000000
078	87654321 ••••••••••••••••••••••••••••••••••••	079	8 7 6 5 4 3 2 1	080	8 7 6 5 4 3 2 1	081	8 7 6 5 4 3 2 1	082	87654321 000000000000000000000000000000000000	083	87654321 000000000000000000000000000000000000
084	87654321 • • • • • • • • • • • • • • • • • • •	085	8 7 6 5 4 3 2 1	086	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	087	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	880	87654321 000000000000000000000000000000000000	089	8 7 6 5 4 3 2 1
090	87654321 000000000000000000000000000000000000	091	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	092	8 7 6 5 4 3 2 1 ON	093	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	094	87654321 000000000000000000000000000000000000	095	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
096	8 7 6 5 4 3 2 1	097	8 7 6 5 4 3 2 1	098	8 7 6 5 4 3 2 1 ON	099	8 7 6 5 4 3 2 1	100	87654321 	101	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
102	87654321	103	8 7 6 5 4 3 2 1	104	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	105	8 7 6 5 4 3 2 1	106	87654321 ••••••••••••••••••••••••••••••••••••	107	87654321 000000000000000000000000000000000000
108	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	109	8 7 6 5 4 3 2 1	110	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	111	8 7 6 5 4 3 2 1	112	87654321 	113	87654321 000000000000000000000000000000000000
114	87654321 000000000000000000000000000000000000	115	8 7 6 5 4 3 2 1	116	8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	117	8 7 6 5 4 3 2 1	118	87654321 000000000000000000000000000000000000	119	87654321 000000000000000000000000000000000000
120	8 7 6 5 4 3 2 1 ON	121	8 7 6 5 4 3 2 1 • • • • • • • • • • • • • • • • • • •	122	8 7 6 5 4 3 2 1 ON	123	8 7 6 5 4 3 2 1 ON	124	87654321 000000000000000000000000000000000000	125	87654321 000000000000000000000000000000000000
126	87654321	127	8 7 6 5 4 3 2 1								

IMPORTANT: DIPSWITCH N° 8 MEANINGS

ON = LED DISPLAY ON READERS WITH INVERTED SYSTEM. IT IS SWITCHED OFF WHEN RELAY SWITCHES OVER OR WITH S3 CLOSED AND UNIT ARMED. OFF =NORMAL DISPLAY OF LEDS ON THE READERS. IT IS SWITCHED ON WHEN RELAY SWITCHES OVER OR WITH S3 CLOSED AND CONTROL UNIT ARMED.



ETR-VARCO can read proximity cards or PROXI keys, at this end you have to connect to ETR-VARCO proximity cards readers series RF modd. RFK101, RF10 or compatible with WIEGAND standard on 26 bit; for M4 proxi keys it is possible to connect readers I6 or I7, depending on what specified in electric diagrams.

Codes stored in ETR-VARCO and recognised during the transit are sent to to ETR unit; module communicates with it in RS485 serial line, ETR-VARCO recognizes transit meaning and allows control of an electronic lock, of the unit or of the area, depending on activities allowed to the single user. All transits are saved in the event log.

To leave the protected building user will have to lean the card to the reader placed near to the exit. With this operation he will be able to open the door and/or turn antirobbery alarm on. He will also have to lean the card to the external reader to be recognized and proceed with entry operation which may be door opening and/or antirobbery system disarming.

Operations are signalled by rhythmic sounds of internal buzzers and by card readers lightening signs, if necessary it is possible to connect some external buzzers and more lightened signs.

A button can be used for simple door opening, as an alternative to exit readers.

6.1 Function Mode

If passage uses readers I6-I66/I7 and simple proximity cards readers, the user has at his disposal *normal mode* of the passage only.

If readers with keypads RFK101 are used, 2 functions are possible, function is defined by a setting through selection jumper on ETR-VARCO board:

6.1.1 "Normal" Mode

On this mode code sent can proceed from a card or a proximity key or from the keypad.

Proximity card or M4 key use

When a card is leant to a reader, ETR-VARCO decode the code and communicate to ETR unit that a card has been recognised.

Code from keypad

Alternatively to proximity card, you can log-in a code from numerical keypad (RFK101).

Code can be set as 4-digit minimum to 6-digit maximum, all further digits are ignored.

To confirm (and send) a code, press ENT key. If the key is not pressed within 10 sec since last numerical key has been pressed, an error will be produced and operation will be automatically refused.

By pressing ESC key you cancel ongoing operation.

6.1.2 Unit arming with code from keypad

1. Code on keypad.

2. Press ENT 3 times.

6.1.3 Unit disarming with code from keypad

1.Code on keypad. 2. Press ENT.

6.1.4 "High security" mode, generals

On this mode, sent code is composed by union of a code dialled in the keypad and a card code. This mode is activated automatically whenever a code is dialled in the keypad and **ENT** key is not pressed and a proximity card is leant. Keypad code is decoded and united to code dialled in the keypad and automatically sent (without pressing any other key) to the quering device (unit).

The operation is carried out as follows:

- 1. Press one or more numerical key (from 4 to 6 figures).
- 2. Bring a card nearer. A "card recognised" sound is generated.



If a card is not brought nearer within 5 seconds since last key has been pressed, an error sound is generated.

To carry out the operation it is necessary to:

- 1. Save a user with code "High security" (Code+Card).
- 2. Enable the user to arming/disarming operations.

6.1.5 Unit arming on HIGH SECURITY

- 1. Dial the code on the keypad.
- 2. Bring the keypad closer.
- 3. When acoustic confirmation is received, bring the card closer twice again and wait for acoustic confirmation.
- 4. At the end of 3rd acoustic confirmation, arming procedure starts.

6.1.6 Unit disarming on HIGH SECURITY

- 1. Dial the code on the keypad.
- 2. Bring the card closer.

The unit will disarm when it receives acoustic confirmation.

6.2 Passage control and Arm/Disarm

A user defined aspassage control, see browser image, can access any passage for which he is allowed to, so that contact on the door does not give alarm signal.

E B	Browser ETR512 1.5 - [Default Utente:7]							
Eile	<u>Eile Impostazioni Connessioni Azioni Programmazione Linguaggio ?</u>							
	k 🕊 🔿 🛽	7 ad 🍔 '	😴 MFT 🏠	🏹 🗘 r~	1 🛉 📿 🤮			
N°	Nome	Codice Utente	Codice da Tastiera	Piccola Manutenz	Max Sicurezza	Mode		
01	Utente n.001	111111	Si	Si	Si	Special		
02	Utente n.002	222222	Si	Si	Si	Special		
03	Utente n.003	333333	Si	Si	Si	Special		
Coc	lici e Opzioni Utente							
Utente N° 1 Nome Codice Utente UTENTI - AREE Utente n.001 111111 Cancella Codice L								
		Dia Apprendere		Abilita Codice Appreso				
					cella Codice Appreso			
Modo C Euro C Euro Image: Codice da Iastiera Image: Speciale Image: Piccola Manutengione Image: Controllo ⊻arco Image: Max, Sicurezza								

For him zone number and user and time information are saved in log event.

A user who has NOT been defined as "Passage Control" on the unit, besides being able to carry out abovementioned operations, he is allowed to arm and disarm partitions used for user permissions definition and passage relevance.



To disarm, just bring proximity device nearer to external reader; to arm you just need to bring Proxi key nearer and to keep it in that position until you hear 3 acoustic confirmations. For proximity cards you just need to bing them nearer 3 times consecutively, you will hear 3 acoustic confirmations.

Exit time acoustic signal is found also in ETR-VARCO.

Note: A user with attribute "Passage control" cannot arm and disarm the system or the area.

6.3 System status signals

System status signals are not given by readers RF10 or RFK101, optical signals are given only by readers I66/I7.



Alarme/Tamper information and corresponding memories, System anomaly and corresponding memories, and arming status refer to single passage relevant area.

For what arming status is concerned, this one refers exclusively to passage relevant sectors. If only one sector is armed, it switches on the led.

7. USE COMBINATIONS OPTIONS

Here below are some use combinations options of ETR-VARCO:

ZONE	OUTPUT
RF10	RF10
RF10	Manual button for door opening only
RF10	166/17 with M4
l66/l7 with M4	166/17 with M4
166/17 with M4	Manual button for door opening only

ZONE	OUTPUT
RFK101	RFK101
RFK101	RF10
RFK101	166/17 with M4
RFK101	Manual button for door opening only



8. SETUP

8.1 ID code setting via internal selector

Use table in this manual to set ETR-VARCO ID code, dip shifting operations can be made also with powered module.

8.2 ETR-VARCO and relevant zones setupETR-VARCO

<u>File Impostazi</u>	oni <u>C</u> onnessioni <u>A</u> zioni <u>P</u> rog	jrammazione Linguaggio <u>?</u>			
₩₩	a 🕅	🥰 MFT 🏠 🏹	ן 🗘 ריה 🛊 [. 🔒 🖀 📲 🛤	
Tastiera	Tipo	Indirizzo Assegnato	Area Visualizzata	Aree di Pertinenza	Settori di Pertir
01	Nirva	1	Area1	1	
02	ETR Varco	1		1	1234
03	Nessuna	0	Area1	1	
Tastiera					
Tipo ETR Varco Indirizzi Dispo 2 Indirizzo Asse 1 Ingresso di Va Nessun Ingre	Tastiera 2	Aree di Pettinenz. Area1 [A Area2 [A Area3] A Area5 [A Area5 [A Area6 [A Area8 [A Area8 [A Area8] A Area8 [A Area8] A	a xrea n.01] xrea n.02] xrea n.03] xrea n.04] xrea n.05] xrea n.06] xrea n.07] xrea n.08] xrea n.08]	ETR Varco Settori di Pertinenza S1 🔽 S2 🖾 S3 🖾 Aree di Pertinenza Area1 Se si modifica il 'Tipo' di tasti tutti i parametri relativi a que vengono impostati al valore Se si seleziona un'area di pe l'ingresso di varco viene imp al valore di default.	E S <u>4</u> Era, Ila tastiera di default. ortinenza, ostato

8.3 Proxy cards storage

To store proxy cards use menu for Proxy cards recognition and when "Lean proxy" message appears, just bring the card nearer or dial the code on RFK101 terminal keypad as described in **"normal"** mode section, or bring the card nearer and dial the code, if you are on **"High security"** mode.





10. DISPOSAL INSTRUCTIONS

Dispose of ETR-VARCO concentrator in compliance with current city regulations and by leaving the device in a dumping ground which is authorized for the disposal of electronic products; if required, please contact the appropriate city office for additional information.

The material used for this product is very harmful and polluting if dispersed in the environment.



1. GENERALS 3 2. FEATURES 3 2.1. Electric features 3 3. BLOCK DIAGRAM OF A SYSTEM MANAGED BY AN ETR SERIES CONTROL UNIT 4 4. WIRINGS 5 4.1. Proximity readers/AXM Axxess magnetic badge wiring 7 5. setup tables 9 6. FUNCTIONS 10 6.1. Function Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15		
2. FEATURES 3 2.1. Electric features 3 3. BLOCK DIAGRAM OF A SYSTEM MANAGED BY AN ETR SERIES CONTROL UNIT 4 4. WIRINGS 5 4.1. Proximity readers/AXM Axxess magnetic badge wiring 7 5. setup tables 9 6. FUNCTIONS 10 6.1. Function Mode 10 6.1.1. "Normal" Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.3. System status signals 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP<	1. GENERALS	3
2.1. Electric features 3 3. BLOCK DIAGRAM OF A SYSTEM MANAGED BY AN ETR SERIES CONTROL UNIT 4 4. WIRINGS 5 4.1. Proximity readers/AXM Axxess magnetic badge wiring 7 5. setup tables 9 6. FUNCTIONS 10 6.1. Function Mode 10 6.1.1. "Normal" Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. Passage control and Arm/Disarm 11 6.3. System status signals 12 7. USE COMBINATIONS OPTIONS 12 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15	2. FEATURES	3
3. BLOCK DIAGRAM OF A SYSTEM MANAGED BY AN ETR SERIES CONTROL UNIT 4 4. WIRINGS 5 4.1. Proximity readers/AXM Axxess magnetic badge wiring 7 5. setup tables 9 6. FUNCTIONS 10 6.1. Function Mode 10 6.1. Function Mode 10 6.1.1. "Normal" Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.2. Passage control and Arm/Disarm 11 6.3. System status signals 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15	2.1. Electric features	3
4. WIRINGS 5 4.1. Proximity readers/AXM Axxess magnetic badge wiring- 7 5. setup tables 9 6. FUNCTIONS 10 6.1. Function Mode 10 6.1.1. "Normal" Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. UNE COMBINATIONS OPTIONS 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11 15 11 15	3. BLOCK DIAGRAM OF A SYSTEM MANAGED BY AN ETR SERIES CONTROL UNIT	4
4.1. Proximity readers/AXM Axxess magnetic badge wiring 7 5. setup tables 9 6. FUNCTIONS 10 6.1. Function Mode 10 6.1. Function Mode 10 6.1. Function Mode 10 6.1.1. "Normal" Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. Use comblination and Arm/Disarm 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 15	4. WIRINGS	5
5. setup tables 9 6. FUNCTIONS 10 6.1. Function Mode 10 6.1.1. "Normal" Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. USE control and Arm/Disarm 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15	4.1. Proximity readers/AXM Axxess magnetic badge wiring	7
6. FUNCTIONS 10 6.1. Function Mode 10 6.1.1. "Normal" Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. USE combination on HIGH SECURITY 11 6.3. System status signals 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	5. setup tables	9
6.1. Function Mode 10 6.1.1. "Normal" Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. USE combination of the security signals 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 15	6. FUNCTIONS	10
6.1.1. "Normal" Mode 10 6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. Passage control and Arm/Disarm 11 6.3. System status signals 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	6.1. Function Mode	10
6.1.2. Unit arming with code from keypad 10 6.1.3. Unit disarming with code from keypad 10 6.1.4. "High security" mode, generals 10 6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. Unit disarming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.1.7. Unit disarming on HIGH SECURITY 11 6.2. Passage control and Arm/Disarm 11 6.3. System status signals 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	6.1.1. "Normal" Mode	10
6.1.3. Unit disarming with code from keypad106.1.4. "High security" mode, generals106.1.5. Unit arming on HIGH SECURITY116.1.6. Unit disarming on HIGH SECURITY116.2. Passage control and Arm/Disarm116.3. System status signals127. USE COMBINATIONS OPTIONS128. SETUP138.1. ID code setting via internal selector138.2. ETR-VARCO and relevant zones setupETR-VARCO139. NOTES1410. DISPOSAL INSTRUCTIONS1511. CONTENTS16	6.1.2. Unit arming with code from keypad	10
6.1.4. "High security" mode, generals106.1.5. Unit arming on HIGH SECURITY116.1.6. Unit disarming on HIGH SECURITY116.2. Passage control and Arm/Disarm116.3. System status signals127. USE COMBINATIONS OPTIONS128. SETUP138.1. ID code setting via internal selector138.2. ETR-VARCO and relevant zones setupETR-VARCO139. NOTES1410. DISPOSAL INSTRUCTIONS1511. CONTENTS16	6.1.3. Unit disarming with code from keypad	10
6.1.5. Unit arming on HIGH SECURITY 11 6.1.6. Unit disarming on HIGH SECURITY 11 6.2. Passage control and Arm/Disarm 11 6.3. System status signals 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	6.1.4. "High security" mode, generals	10
6.1.6. Unit disarming on HIGH SECURITY116.2. Passage control and Arm/Disarm116.3. System status signals127. USE COMBINATIONS OPTIONS128. SETUP138.1. ID code setting via internal selector138.2. ETR-VARCO and relevant zones setupETR-VARCO138.3. Proxy cards storage139. NOTES1410. DISPOSAL INSTRUCTIONS1511. CONTENTS16	6.1.5. Unit arming on HIGH SECURITY	11
6.2. Passage control and Arm/Disarm 11 6.3. System status signals 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	6.1.6. Unit disarming on HIGH SECURITY	11
6.3. System status signals 12 7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	6.2. Passage control and Arm/Disarm	11
7. USE COMBINATIONS OPTIONS 12 8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	6.3. System status signals	12
8. SETUP 13 8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	7. USE COMBINATIONS OPTIONS	12
8.1. ID code setting via internal selector 13 8.2. ETR-VARCO and relevant zones setupETR-VARCO 13 8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	8. SETUP	13
 8.2. ETR-VARCO and relevant zones setupETR-VARCO	8.1. ID code setting via internal selector	13
8.3. Proxy cards storage 13 9. NOTES 14 10. DISPOSAL INSTRUCTIONS 15 11. CONTENTS 16	8.2. ETR-VARCO and relevant zones setupETR-VARCO	13
9. NOTES	8.3. Proxy cards storage	13
10. DISPOSAL INSTRUCTIONS	9. NOTES	14
11. CONTENTS	10. DISPOSAL INSTRUCTIONS	15
	11. CONTENTS	16