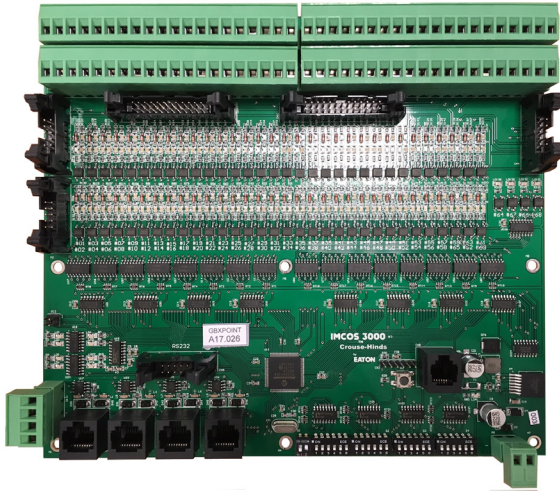# IMCOS-3000-V2 PA/TB Controller

Product description

IMCOS-3000-V2 is a programmable control unit, responsible for all IMCOS relays and functions.

IMCOS-3000-V2 is based on a PLC with dedicated software: funtionalities associated to each input/output signal can be re-programmend on customer requirement.

IMCOS-3000-V2 manages all the inputs from the different peripherals and external systems and converts them into instructions for the components of the PAGA system, such as alarm panels, amplifiers, alarm monitors, talk back systems etc.

Features

- Microprocessor operated controller
- Non-volatile memory
- Up to 64 programmable Inputs/Outputs to manage IMCOS system and third parties interfaces, such as fire detection system or gas system
- Master, Back-up and Slave mode operations, selected through Dip-Switches
- Slave addresses selected through Dip-Switches (1 for each serial)
- 4 RS-232/RS485 interfaces for digital connection with peripherals and for system programming
- Status LEDs for power and interface connections
- Free contacts to connect external systems
- Redundant configuration with Master and Back-up units. Back-up unit turns automatically into Master in case of fault
- FAIL-SAFE operation mode, to allow signal flow also in case of relay fault
- Priority management between emergency messages from panels and alarm signals
- Up to 50 slave modules for each serial connection (4 x 50); each slave module working independently

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Specification

Type	System Ctrl
Mounting	Rack mounting - 19" rack, with mounting support
Wiring	Terminal strips for general purpose Input/Output RS485 for serial connection IDC connection
Power Supply	24 V DC
Power Consumption	10 W
Dimensions	Width 216 mm, Height 190 mm
Relay Capacity	64 Input/Output 10 Inputs & 10 Outputs reserved for internal use (typical value)

Typical value of 10 Inputs and 10 Outputs reserved for internal wiring. Relay capacity can be extended through the use of slave controller card connection.

Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Model

IMCOS-3000-V2

All specifications, dimensions, weights and tolerances are nominal (typical) and Gitiesse reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.

IMCOS™ System is type approved by seven marine class societies.

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