

ITAC

Analogue <=> Conventional Transmission Interface

(Interface de Transmisión Analógica - Convencional)

DESCRIPTION:

The ITAC module allows the communication of RP1r extinguishing control panels' events to ID series fire alarm control panels. The bidirectional communication is always monitored to avoid the use of relay contacts for transmission to the analogue loop.

Before using the ITAC, Rp1r control panel would use alarm and fault relays in order to transmit the RP1r status to the analogue fire control panels. However, this process was not monitored and the zones in alarm or faults could not be identified.

The ITAC module is connected to the extinguishing control panel communications loop at one end (I^2C) and to the analogue loop at the other end, from which any change in alarm or fault zones is sent individually to ID50/60 or ID3000 control panels.

Two rotoswitches are provided inside ITAC in order to select the start module addresses for transmitting information. A shortcircuit isolator is also included to allow the loop input and output to be independent. A general fault relay switches if a communication fault or any other event takes place, so the event can be informed in other ways. 16 status indicator leds are provided to inform about the analogue loop communications and they are also useful for event diagnosis.

The ITAC, by default, uses 7 monitor module addresses to show the following events:

1st address: Alarm (RP1r in preactive status), Fault;
2nd address: Active status;
3rd address: Hold or abort mode;
4th address: RP1r key in Manual mode;
5th address: RP1 key in Disabled mode;
6th address: Alarm => Release, Fault =>Fault in the extinguishing circuit;
7th address: General fault.

FEATURES

- ITAC should be installed inside RP1r box from which it is powered by means of the 4 supplied cables.
- Monitored communications.
- Relay included, 1Amp. NO/NC/C general fault.
- 16 leds to inform about 16 events maximum.
- Information about: alarm, prealarm, key position (manual or disabled), hold or abort mode, release and extinguishing circuit fault.
- Shortcircuit isolator option.
- 2 rotoswitches provided to select the start module addresses (01-99) in the loop.
- 2 plug-in connectors with 3 terminals each one (+, - and shield).
- RS232 bus included for future configurations using VSN-RS232 card.
- Dimensions in mm: 125 (width) x 50 (height) x 40 (depth)

Information in this document is subject to change without notice.

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ANALOGUE LOOP

