



# EXTINGUISHING PANELS EXTINGUISHING RELEASE INTERFACE

PRODUCT CODE

TEC05701



## UNIVERSAL EXTINGUISHANT TEST & INTERFACE UNIT

### DESCRIPTION

The TEC05701 is a universal extinguishing test and interface unit with a test facility for use with any of Technoswitch's extinguishing panels.

The unit requires an external 24 V DC supply and can deliver a maximum current of up to 5 A.

**NB: The discharge circuit current is determined by the rating of the external 24 V DC supply used.**

The product should be compatible with a range of generic fire control panels, however operation with other manufacturers' fire detection control panels has not been confirmed.

### PRINCIPLE OF OPERATION

In the normal state, the green POWER ON LED will be on continuously and the blue CPU Running LED will flash. Should the supply voltage fall below 22 V DC, the POWER ON and FAULT LEDs will flash and all other LEDs will be off. In this mode all relays are in safe mode and the discharge output will not be able to be Activated.

The discharge circuit is also monitored for short or open circuit and the FAULT LED will flash should either condition be present. During a discharge, the DISCHARGE LED will flash two times per second.

After a discharge has taken place, the TEC05701 will remain in a discharged state which will prevent the extinguishing release control panel from being returned to normal operating mode even after being reset. The DISCHARGE LED will remain on after a discharge event. A manual reset on the TEC05701 is required (requires cover to be removed and the RESET button to be pressed) before the extinguishing release panel will be able to reset to normal.

The unit also has a TEST mode which is activated by means of pressing an on-board TEST button. When TEST mode is initiated all LEDs will light up and the discharge relay will only switch and the relay's LED will only light up when there is an open circuit on the discharge output.

For larger gas installations it is also possible to daisy-chain a number of TEC05701 units by connecting the FROM PANEL to the EOL of the previous device. Each TEC05701 will require its own external 24 V DC supply.

### FEATURES

- Safely test gas system
- Power On LED
- Manual reset feature
- Externally powered
- Multiple units can be daisy-chained for large gas installations





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### SPECIFICATIONS

Normal Operating Voltage	22 to 32 V DC
Quiescent Current	80 mA
24 V DC Input Voltage Fuse	250 mA
Maximum Discharge Current Output	5 A (Separately fused by a 5 Amp on-board resettable fuse)
Discharge Current vs Time	5.0 A @ 30 sec 4.5 A @ 40 sec 4.0 A @ 1 min 3.5 A @ 5 min < 3.0 A @ 10 min
Discharge Monitoring Open Circuit Resistance	> 580 Ohm
Discharge Monitoring Short Circuit Resistance	< 0.9 Ohm
Panel Indicators	Power On; CPU Running; Fault; Discharge
PCB (LED) Internal Indicators	Test (LED 5), Fault Relay (LED 6), Discharge Relay (LED 7)
Weight	250 g
Dimensions (W x H x D)	105 x 105 x 66.5 mm

### ORDERING INFORMATION

Product Code	Product Description
TEC05701	Extinguishant Release Interface (Externally Powered)

• **DISCLAIMER:** Although the contents of our product literature have been prepared with the greatest care, Technoswitch can accept no liability whatsoever for any direct or indirect damages of any kind that may arise due to either errors or omissions in them, or amendments to products or other specifications following publication.

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