# Cat<sup>®</sup> GC Control Panel Options





## **OUTPUT EXPANSION MODULE**

Output relay expansion module for use with compatible control modules. The Output Expansion module has been designed to extend a host module's output capabilities.

A maximum of 10 Output Expansion modules can be connected to an individual module at any one time. All outputs are configurable via the host controller.

The module will work up to 1 KM (0.6 miles) from the host control module

## **FEATURES**

- Power On/Link Lost LED ID SWITCH
- 10 expansion modules can be connected to 1 host controller at a time
- 8 configurable relay contacts with LED indicators:
- 4 Normally Open (N/O)
- 4 Change Over (C/O)
- Terminal strip connection for quick and easy set-up

## **ENVIRONMENTAL TESTING STANDARDS**

#### ELECTRO-MAGNETIC COMPATIBILITY BS EN 61000-6-2 EMC Generic Immunity Standard for the Industrial Environment BS EN 61000-6-4 EMC Generic Emission Standard for the Industrial Environment

#### ELECTRICAL SAFETY

BS EN 60950 Safety of Information Technology Equipment, including Electrical Business Equipment

#### **TEMPERATURE**

BS EN 60068-2-1 Ab/Ae Cold Test -30 °C BS EN 60068-2-2 Bb/Be Dry Heat+70°C

#### **VIBRATION**

BS EN 60068-2-6 Ten sweeps in each of three major axes 5 Hz to 8 Hz @ +/-7.5 mm, 8 Hz to 500 Hz @ 2 gn

<u>SHOCK</u> BS EN 60068-2-27 Three shocks in each of three major axes 15 gn in 11 Ms

#### **HUMIDITY**

BS EN 60068-2-30 Db Damp Heat Cyclic 20/55 °C @ 95% RH 48 Hours BS EN 60068-2-78 Cab Damp Heat Static 40 °C @ 93% RH 48 Hours

## **SPECIFICATION**

## CONTINUOUS VOLTAGE RATING

8 V to 35 V Continuous

#### CRANKING DROPOUTS

Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.

#### MAXIMUM OPERATING CURRENT

325 mA at 12 V, 152 mA at 24 V

#### MAXIMUM STANDBY CURRENT

70 mA at 12 V, 32 mA at 24 V  $\,$ 

AUXILIARY RELAY CONTACTS

2 Amp DC rated voltage free

### DIMENSIONS OVERALL

165 mm x 76 mm x 49 mm 6.5" x 3" x 1.9"

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