

# CHQ-POM

## Analogue Plant Control Module

### Features

- Supplies 24 VDC at various current levels, 2 mA to 32 mA in increments of 2 mA
- User-selectable current output
- Includes two monitored inputs
- Small design, provides simple connectivity to ESP loop for third party devices, such as IFD-E
- Colour-coded flying leads for simple installation.



### Description

Model CHQ-POM is a powered-output module designed to supply 24 VDC at various, user-selectable current levels from 2 to 32 mA (in increments of 2 mA).

The unit is small enough to be added to other third-party devices thereby

allowing a range of equipment to be added to the ESP loop. The unit also features two monitored inputs.

The module **MUST** be installed next to any Type 1 detection device (no transmission path should be present).

### Specification

Ordering code	CHQ-POM
Operating voltage	17 – 31 VDC
Transmission method	Digital communication using ESP
Quiescent current (typ)	200 $\mu$ A (@ 41 V)
Alarm current	2.3 ~ 32.3 mA
Test signal voltage	14 - 30 VDC
Input ratings - Open circuit	> 100 K $\Omega$
Input ratings - Normal state	100 K $\Omega$ (EOL resistor provided)
Input ratings - Input activation	470 K $\Omega$ (EOL resistor provided)
Input ratings - Short circuit	50 K $\Omega$
Operating / Storage temperature range	- 10 °C to + 50°C / - 30 °C to + 60°C
Maximum humidity	95% RH - Non-condensing (at 40 °C)
Colour / Case material	Ivory / ACS
Weight (g) / Dimensions (mm)	30 / L 30 x W 42 x D 19