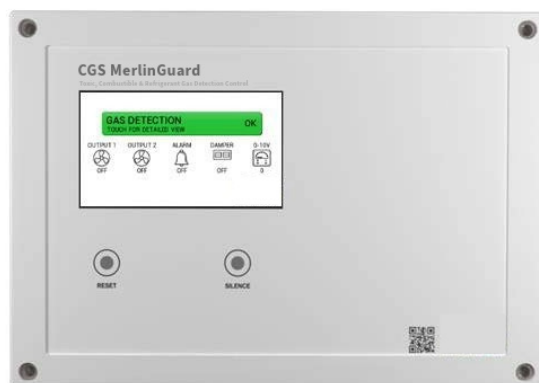




Product Overview:

The CGS Controls MerlinGuard is a gas detection & ventilation panel to be used with up to sixteen (16) CGSTFT detectors. It is intended for use in spaces that require either refrigerant, toxic or combustible gas detection and provides a pre-programmed control panel including features such as fan control options, alarm damper control, and connectivity to Building Management Systems (BMS).

The panel has four output options for pre-alarm and high-alarm conditions, and contains a 0-10V output that can be utilized by the BMS or for fan control via VFD.

Technical Specifications

General Mechanical

Model:	CGSMG MerlinGuard
Capacity:	Up To 16 Channels Per Controller Unit
Size: (H x W x D)	7.08" x 10.03" x 3" Inches
Housing Material:	ABS Polyac - PA765 / UL 94 V-1
Mounting:	Indoor Use - Wall Mounting
Weight:	2lb 13.85oz
Display:	4.3" TFT Touch Screen
Visual Indicators:	Green: Normal Amber: Alarm Delay Yellow: Pre-Alarm Red: Alarm Relay Outputs ON/OFF Gas Detection Status
Audible Alarm:	>70dB @ 3.28ft (1m). Quiet conditions
Buttons:	Common for Silence/Reset operation
Power Consumptions:	14.5W Max
AC Power:	100-120V - 50/60Hz
Internal Fuse:	T3.15A L250V
Relay Output::	Volt Free Relay Outputs x4 (non-latching) - NO/COM/NC 6A @ 120V User Configurable - Energised/De-Energised - Time Delay - 24VDC Switching
Common Output:	24VDC Permanent / 0-10VDC Variable
Ingress Protection:	Nema 4 / IP64 (See Manual For Further Information)
Operating:	14~122°F 30 ~ 80% RH (non-condensing)
Storage:	-13~122°F up to 95% RH (non-condensing)
Typical Wiring:	Power & Relay: ~#18-12AWG / Detector: #12-18AWG Power Pair; #18-22AWG Data Pair / Other: #18-22AWG
Electromagnetic Compatibility and Electrical Safety:	IEC 61010-1:2010 + AMD1:2016; EN 61010-1:2010 + A1:2019; UL61010-1/2012/ CAN CSA C22.2 No. 61010-1-12/ A1:2018-11 EMC EN 61326-1:2013