

# Macurco™

BUILDING & HOME SOLUTIONS

Whether you are looking for gas detection for a security system, building automation or HVAC system, for personal safety or for monitoring specific gases in potentially hazardous environments, Macurco has a gas detector to meet your needs.



## Control Panels

### Detection Ventilation Control Panels

The Macurco controller family has various options to meet your facility's needs. In conjunction with Macurco gas detectors, these controllers provide automatic control to help maintain an acceptable environment in parking garages or other applications. These systems easily configure, making installation hassle-free. The control panel series are designed to meet specifications for safety in enclosed parking garages, including the Uniform Building Code and OSHA 50ppm CO requirements. With multiple control panel options Macurco will help you find the suitable controller for your specific application.



### DVP Family

DVP-120M  
(Analog/Addressable)

DVP-120B/ DVP-120C  
(Addressable w/ BACnet output)

	DVP-120M	DVP-120B	DVP-120C
<b>Analog Connections</b>	12	0	0
<b>Digital Connections</b>	87	99	99
<b>Zones</b>	3	3	3
<b>10 AMP Relays</b>	3	3	3
<b>24VDC Output (Horn/Strobes)</b>	2	2	2
<b>BACnet Output</b>	N/A	✓ (MS/TP)	✓ (MS/TP)
<b>NEMA 1 Enclosure</b>	✓	✓	✓
<b>Title 24</b>	N/A	N/A	✓

### Applications

- Parking garages
- Car dealerships
- Ambulance/fire house bays
- Warehouses
- Manufacturing
- Loading docks
- Mechanical rooms
- Distribution centers
- Vehicle repair facilities
- Bus depots

# Control Panels

## Specifications

Size	10.5" x 12.5" x 2." (26.67 X 37.75 X 5.08 cm)
Weight	6.5 lbs (2.9 kg)
Voltage/Current	Power Input: 90 – 250 VAC, 1 Amp, 47 – 63 Hz, single phase
Operating Temperature	32°F to 120°F (0°C to 49°C)
Ambient Humidity	0% to 90% RH non-condensing
Display	LCD display: 2 rows of 16 characters with backlight
Mounting	Mounting holes in each corner
Relays	Three 10A, 240 VAC SPDT fan/alarm relays
Settings	External keypad for user selection of the transducer/alarm display and setting the configuration
Status Indicators	(LED): Power, ALARM/warning, hush, Relay 1, Relay 2 & Relay 3
Alarms	Drivers for external Horn and Strobe, externally visible system, alarm and relay status indicators
Enclosure	Lockable NEMA 1 type enclosure
Certifications	ETL Listed to UL 2017 CAN/CSA-C22.2 No. 14-13, LADBS Approved (DVP-120C)
Warranty	Two Year Limited Warranty



## Models

Description	Model Number
BACnet - 99 Addressable Connections	DVP-120B
BACnet - 99 Addressable Connections	DVP-120C (CO & NO <sub>2</sub> detectors only)
87 Addressable Connections 12 Analog Connections	DVP-120M

## Accessories

Name	Model Number
Addressable Adapter (6 series only)	MRS-485
Horn and Strobe (5 color options)	HS-A, HS-B, HS-R, HS-C, HS-G
Power Supply	MAC6AMP-4, MAC10AMP-4



Calibration Kits



Horn and Strobe

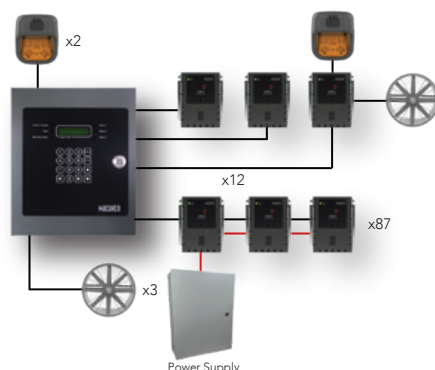


Power Supply



Addressable Adapter

## Control Panel Layouts



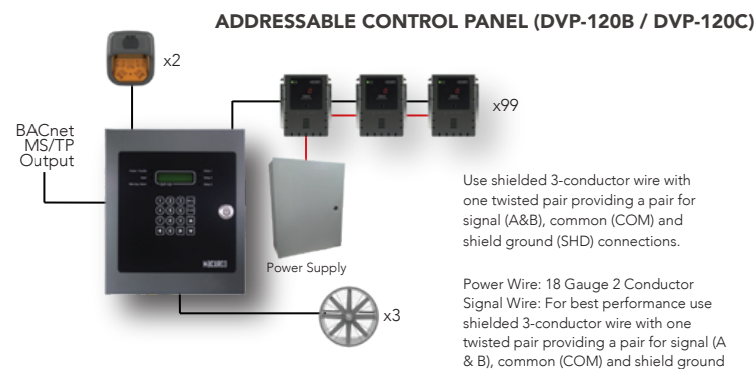
### ANALOG / ADDRESSABLE CONTROL PANEL (DVP-120M)

#### (Analog Wiring)

4 conductor homerun  
2 for power, 2 for signal

#### (Digital Wiring)

Use shielded 3-conductor wire with  
one twisted pair providing a pair for  
signal (A&B), common (COM) and  
shield ground (SHD) connections.



### ADDRESSABLE CONTROL PANEL (DVP-120B / DVP-120C)

Use shielded 3-conductor wire with  
one twisted pair providing a pair for  
signal (A&B), common (COM) and  
shield ground (SHD) connections.

Power Wire: 18 Gauge 2 Conductor  
Signal Wire: For best performance use  
shielded 3-conductor wire with one  
twisted pair providing a pair for signal (A  
& B), common (COM) and shield ground