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 a variety of options to meet the needs of your facility. These controllers in conjunction with Macurco gas detectors provide automatic control to help maintain an acceptable environment in parking garages or other applications. These systems are easily configured making installation hassle-free. The control panel series is 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 right controller for your specific application.

DVP Family

DVP-120
(Analog)

DVP-120M
(Digital)

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

Key Features

- 12 analog (4-20mA) sensor connections
- DVP-120M/B : 87 digital sensor connections (RS-485) + 12 analog (4-20mA) sensor connections
- Three 10A SPDT fan / alarm relays
- Two 24VDC drivers for Horn / Strobe
- Compatible with Macurco 6-Series
- Auto recognizes Macurco detectors
- Settings are customizable, default is per OSHA
- DVP-120B : BACnet MSTP output
- DVP-120C : Title 24 compliant (CO & NO_2 only)

Applications

- Parking Garages
- Car Dealerships
- Ambulance/Fire House Bays
- Warehouses
- Manufacturing
- Loading Docks
- Mechanical Rooms
- Distribution Centers
- Vehicle Repair Facilities
- Bus Depots

www.macurco.com

Control Panels

Macurco™ Building & Home Solutions

Specifications

Size	10.5" x 12.5" x 2." (10.5 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 104°F (0°C to 40°C)
Ambient Humidity	0% to 95% 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 508A, CAN/CSA-C22.2 No. 14-13, LADBS Approved
Warranty	Two Year Limited Warranty

Models

Description	Model Number
BACnet - 87 Digital Connections	DVP-120B
BACnet - 99 Digital Connections	DVP-120C
87 Addressable Connections	DVP-120M
12 Analog Connections	DVP-120

Accessories

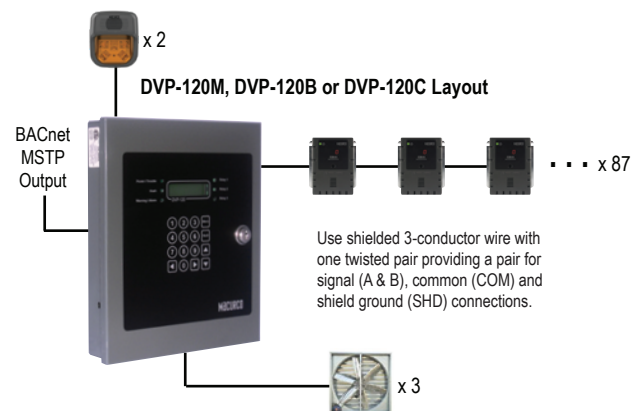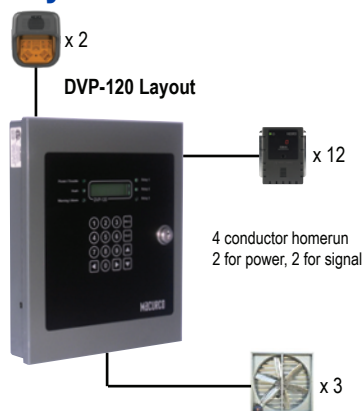| Name	Model Number
Addressable Adapter (6 series only)	MRS-485
Horn and Strobe (5 color options)	HS-A, HS-B, HS-R, HS-G, HS-C
Power Supply	MAC6AMP-4, MAC10AMP-1, MAC10AMP-4

Horn and Strobe

Addressable Adapter

Control Panel Layouts

DVP-120 Layout

x 2

x 12

4 conductor homerun
2 for power, 2 for signal

x 3

DVP-120M, DVP-120B or DVP-120C Layout

x 2

BACnet MSTP Output

x 87

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

x 3

Macurco GAS DETECTION

Since 1972 Macurco has been providing gas detection solutions for various applications. Macurco provides the highest quality gas detection solutions to customers worldwide.

ISO 9001:2015 CERTIFIED

Macurco Gas Detection
3601 N St. Paul Ave,
Sioux Falls, SD 57104   **Phone:** 1-877-367-7891   **Website:** www.macurco.com   **Email:** info@macurco.com