Product Feature Overview

- Permanently sealed, standard DIN 43650 Form A connector body with pre-wired 18AWG PVC cable

- All input and output limits are independently adjustable

- Multiple modes for open loop, closed loop and inverted

- Single coil, programmable enable input

- Output short circuit protection and open circuit alert

- Diagnostic LED's with system "status" blink code indication

- PC based Graphical User Interface (GUI) for system configuration

- Infrared HCT Hand Held Interface for system configuration

Basic Connection Diagram

+V Power Input 9 - 32VDC

FUSE

MVP-RP2 Electronic Valve Controller

- Brown PWR +
- BLK Enable — +V = Enabled
- Red
- White
- Blue GND
- Prop. PWM (Sourcing)
- Connector GND
- GRN/YEL — Screen
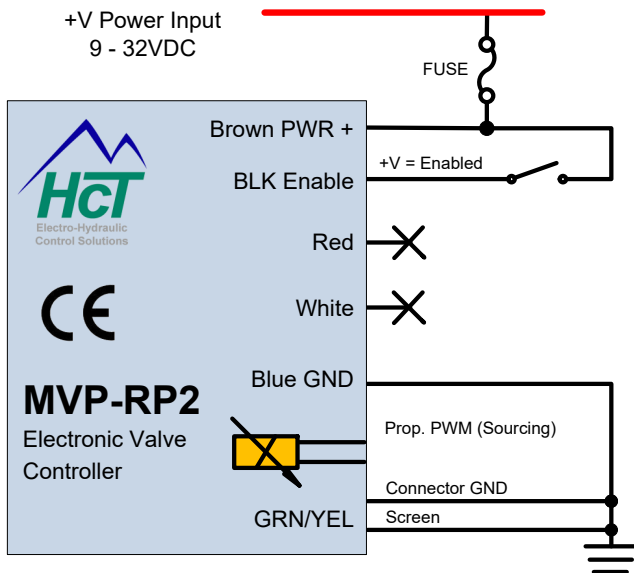
MVP-RP2 Wiring

Terminal	Function
Brown	+PWR
Blue	PWR GND
Black	Enable Input
White	Not Used
Red	Not Used
GRN/YEL	Connector GND

Controller Specification Overview

Housing Type	HCT Custom DIN enclosure
Power Supp. Voltage	9 to 32VDC *(Absolute Maximum)*
Current Consumption	Load current + 20mA Quiescent *(Max)*
Command Inputs	0-10V or 4-20mA
Outputs	**06A:** 600mA max **12A:** 1.2A max **25A:** 2.5A max
PWM Dither Freq. (Standard)	Software selectable: 80, 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 300Hz, (select OFF for 1000Hz)
Ramp Functions	RP1: ramp up only RP2: ramp up and down
Module Connector	DIN 43650 Form A connector body
Communication	Infrared Communication
Housing Material	33% glass reinforced, heat stabilized, black polyamide 66
Temperature Range	-40 to +85°C *(Operational)* -60 to +90°C *(Storage)*
NEMA/IP Rating	NEMA 4 / IP67

Accessories
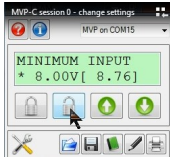
Graphical User Interface

Free PC set-up software. Download at
http://support.enovationcontrols.com

Comm. Cable

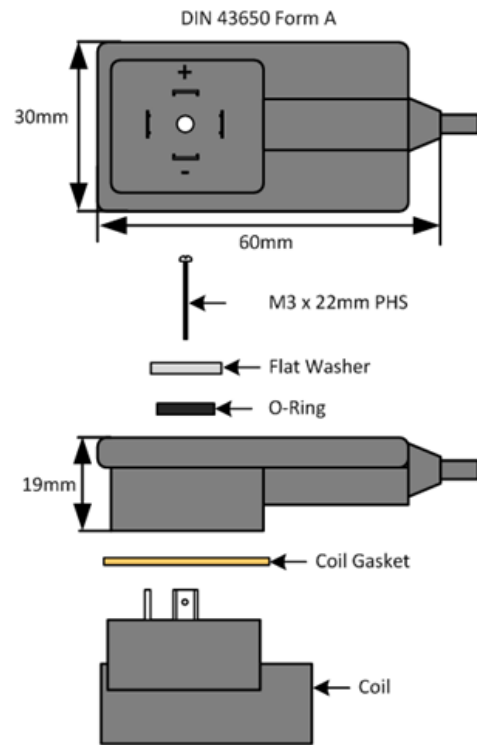Infrared Hand Held Interface for Device
Part #: CBL-IRA

Comm. Cable

Infrared Hand Held Interface for PC
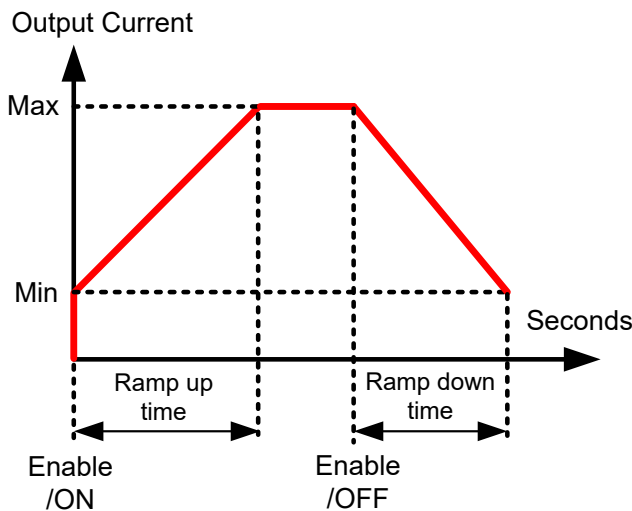Part #: CBL-IRMU

Order Information

MVP-RP1-06A-10F

- 10F = 10ft cable
- 20F & 30F standards

- 06A = 600mA output
- 12A = 1200mA output

- RP1 = Ramp up only
- RP2 = Ramp up/down

Dimensions

DIN 43650 Form A

30mm

60mm

M3 x 22mm PHS

Flat Washer

O-Ring

19mm

Coil Gasket

Coil

Application Examples

Output Current

Max

Min

Seconds

Ramp up
time

Ramp down
time

Enable
/ON

Enable
/OFF

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