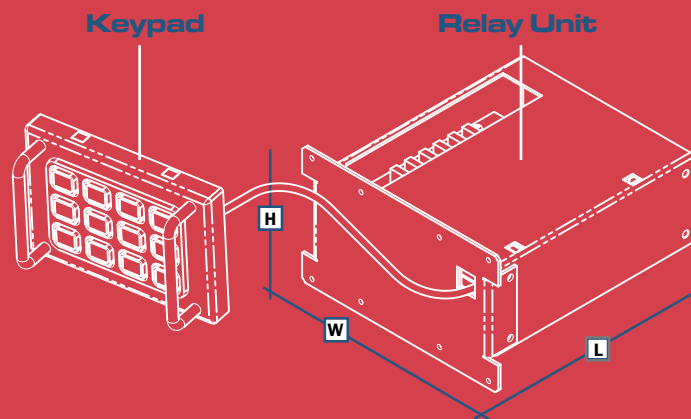


InControl 12

Power Control Module



Keypad Dimensions:

W 6.187" (157mm)
L .75" (19mm)
H 4.312" (109mm)

Relay Unit Dimensions:

W 8.375" (212mm)
L 6.625" (168mm)
H 3" (76mm)

The InControl 12 power control module which consists of a relay unit and a 12-key keypad. The keypad can be remotely mounted or installed on the relay unit. Each independently configurable key controls a relay which, in turn, applies power to an output device. The InControl 12 can control up to 12 output devices. It uses high current, automotive grade relays to ensure reliable operation and minimize maintenance.

Operation:

Power up initializes the unit with all outputs off. Depending on user configuration, pressing a key will activate the associated relay output with either a momentary or latching control. Each key backlight color will change to indicate that the output is on. Turning off the ignition will turn off all the outputs.

Features and Specifications:

- Operates using standard 12 volt DC automotive power
- Self contained relay unit with simple panel mounting allows ready access to fuses and wiring.
- Relay unit has two interchangeable relay cards to control 12 individual output devices. Replacement relay cards can be installed in minutes.
- Diagnostic LEDs on relay boards show actual output state.
- Individually fused relay outputs control up to 30 amps each, with a maximum total unit power of 200 amps.
- Relay cards have removable high current output connectors for easy wiring and maintenance. (up to 8 AWG wire)
- Each output can be configured for momentary or latching control.
- Modular keypad can be remotely installed or mounted directly on relay unit.
- Single, standard communication cable connects keypad to relay unit.
- Keypad legends are interchangeable for easy user customization.
- Keys are backlit in user-selectable tri-color scheme to indicate output status.
- Audible feedback for keys can be configured on or off.
- Operator is alerted of output failure, (fuse, etc.), by flashing the backlight of the associated key.
- Vehicle ignition signal is monitored to ensure the unit operates only when ignition is on.

CONTACT/PURCHASE INFO



P.O. Box 580550 • Tulsa, OK 74158-0550
 Phone: 918-831-9296 • Fax: 918-831-9365
www.insight-engineering.com

InControl 12

Power Control Module

BEAUTY AND BRAINS



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APPLICATIONS



SALT & SAND SPREADERS

EMERGENCY VEHICLES

The **InControl 12** power control module is the latest in mobile equipment control systems design. It incorporates up to 12 functions in a simple, small, easy to use control panel that is rugged enough to handle your toughest electrical control requirements.

Based on an advanced microprocessor design, the **InControl 12** offers capabilities not found in similar systems. Diagnostic feedback, user configurable switch functions and colors, high-current mobile equipment rated control relays, are all combined in a package designed to install cleanly and compliment any cab interior design.

The separate keypad can easily be mounted in the operator's cab and remotely connected, using a single cable, to the power control unit, or both can be mounted together, with the included mounting bracket, for a full panel mounted solution.

The **InControl 12** is the final solution to controlling the ever increasing amount of electrical devices in today's advanced mobile equipment.



OTHER MOBILE EQUIPMENT



MAIN FEATURES

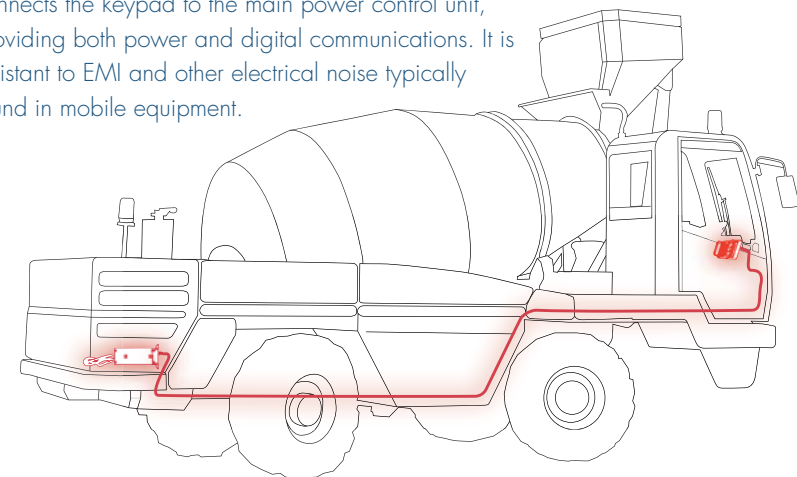
DETACHABLE POWER CONNECTORS

Main power input connectors and high current switched power output connectors are detachable for easy installation and maintenance. This allows for the complete wiring harnesses to be preassembled and/or preinstalled.



DETACHABLE KEYPAD UP TO 100 FT

A single, standard cable (CAT5 Ethernet style cable) connects the keypad to the main power control unit, providing both power and digital communications. It is resistant to EMI and other electrical noise typically found in mobile equipment.



MULTIPLE BACKLIGHT COLOR SCHEMES

Each key utilizes a tri-color LED for backlight and annunciation. A simple DIP switch setting selects up to six different color schemes.



12 FUNCTION CONTROL

Each of the 12 keypad switches can be configured, using a simple DIP switch setting, for momentary or latching operation. Each associated relay can switch up to 30 amps, with the entire unit able to control up to 200 amps!

