

# IGL-RA15 Control Panel

## Datasheet

### Product description

The IGL-RA15 Control Panel Datasheet is a smart control panel solution for remotely monitoring diesel/gas engine generators controlled by ComAp. The solution includes a ComAp RA15 remote annunciator which allows your ComAp controlled generator to meet or exceed NPFA110 requirements, all conveniently enclosed in a NEMA 1 package. The panel is designed to be a cost effective and easy to install solution, saving you time in the field. Enjoy the benefits of a ComAp factory solution packaged in an easy to install enclosure.

### Key features

- Pre-wired for easy installation.
- Built using UL components.
- 16 gauge mild steel, powder coated and textured black.
- Ample space for easy wiring.
- All connections landed to terminal block strip.
- Options for a flat panel or full enclosure solution.

### Application overview

- Auto Start Standby/Prime Generators.
- Installed to meet or exceed NFPA110 requirements.



### Order Codes:

RT4RA15ENC – Panel with enclosure

RT4RA15FLP – Panel only, no enclosure

90702063 – Enclosure only

# Technical data

## Power supply

Voltage supply	8-36 V DC
Consumption	0.35-0.1 A (+1 A <sub>max</sub> horn output depends on supply voltage)

## Power supply

Operating temperature	-20 °C to +70 °C
Storage temperature	-30 °C to + 80 °C
RA-15 / Enclosure Solution	IP65 / NEMA 1
Humidity	85%
Standard conformity	
Low Voltage Directive	EN 61010-1:95 +A1:97
Electromagnetic Compatibility	EN 50081-1:94 EN 50081-2:96 EN 50082-1:99 EN 50082-2:97
Vibration	5-25 Hz, ± 1.6 mm 25-100 Hz, a = 4 g
Shocks	a=200 m/s <sup>2</sup>
Heat radiation	2 W

## Horn output

Maximum current	1.0 A
Maximum switching voltage	36 V DC

## CAN bus interface

Galvanic separated	
Maximal CAN bus length	200 m
Speed	250 kBd
Nominal impedance	120 Ω
Cable type	twisted pair (shielded)

Following dynamic cable parameters are important especially for maximal 200 meters CAN bus length:

Nominal Velocity of Propagation	min. 75 % (max 4.4 ns/m)
Wire crosscut	min 0.25 mm <sup>2</sup>
Maximal attenuation (@ 1 MHz)	2 dB / 100 m

## Recommended Industrial Automation & Process Control Cables

**BELDEN** (see [www.belden.com](http://www.belden.com)):

- > 3082A DeviceBus for Allen-Bradley DeviceNet
- > 3083A DeviceBus for Allen-Bradley DeviceNet
- > 3086A DeviceBus for Honeywell SDS
- > 3087A DeviceBus for Honeywell SDS
- > 3084A DevocoBus for Allen-Bradley DeviceNet
- > 3085A DeviceBus for Allen-Bradley DeviceNet
- > 3105A Paired EIA Industrial RS485 cable

**LAPP CABLE** (see [www.lappcable.com](http://www.lappcable.com)):

- > Unitronic BUS DeviceNet Trunk Cable
- > Unitronic BUS DeviceNet Drop Cable
- > Unitronic BUS CANUnitronic-FD BUS P CAN UL/CSA

## Related products

Product	Description	Order code
RT-300 Control panel	Retrofit control panel for single Gen-set applications.	RT4MRS16BLA/BAA

## Controller Dimensions and Weight

Dimensions	180 × 120 × 55 mm (7.1" × 4.7" × 2.2")
Weight	950 g (2.1 lbs)

## Enclosure Dimensions and Weight

Dimensions	254 × 254 × 101.6 mm (10" × 10" × 0.06")
Weight	4082 g (9 lbs)

## Flat Panel Dimensions and Weight

Dimensions	304.8 × 304.8 × 6.4 mm (12" × 12" × 0.06")
Weight	2268 g (5 lbs)

