RP-3000
Remote Panel for easYgen-3000 Series Genset Controls

DESCRIPTION

The **RP-3000** is a remote control and annunciation panel for use with the back-panel mounted **easYgen-3100/3400** or door-mounted **easYgen-3200/3500** genset controls.

It offers switchgear builders an off-the-shelf HMI option for any application where remote control is desired, such as hospitals, marine switchboards, drill platforms, data centers, landfill and wastewater gas-to-power applications or other outdoor switchgear installations.

The **RP-3000** is an ideal solution for door-mounted applications, providing control from the front panel with greatly reduced wiring to the access door, while keeping high-voltage connections located safely on the back panel.

The **RP-3000** allows remote control, remote visualization (including a synch-scope), and password-protected remote configuration of the **easYgen-3000 Series** generator controls, with access to its complete menu structure and all parameter settings.

It has the same look and feel as the **easYgen-3200** or **easYgen-3500** genset control.

Each **RP-3000** remote panel communicates with a single **easYgen-3000 Series** genset control via CAN communication. A single relay output is provided to signal "Ready for Operation".
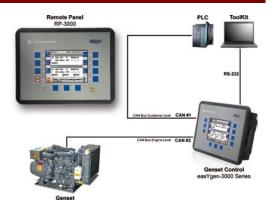

Remote Panel RP-3000

CAN[1]

Genset Control easYgen-3100/3400   Genset Control easYgen-3200/3500

[1] Only **one** easYgen can be connected at once.

- **Remote annunciation and remote control of the easYgen-3000 Series generator controls**
- **Password-protected remote configuration for all parameter settings**
- **Same look and feel as the easYgen-3200/3500 display**
- **Color display**
- **CAN communication to genset control**
- **Multi-lingual Capability**
- **CE Marked**
- **UL / cUL Listing**
- **LR & ABS Marine**
- **DNV[1]**

Features

- Each **RP-3000** connects directly to one **easYgen-3100/3400** or **easYgen-3200/3500** via CAN Bus communication port
- Output relay signal indicates "Ready for Operation"
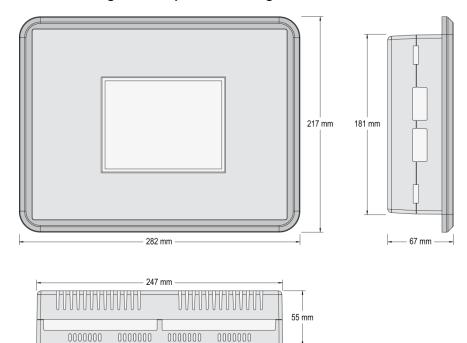- Multi-lingual display capability

Remote Panel RP-3000   PLC   ToolKit

RS-232

CAN Bus Guidance Level   CAN #1

CAN Bus Engine Level   CAN #2

Genset Control easYgen-3000 Series

Genset

[1] For details see last page

SPECIFICATIONS

Power supply...12/24 Vdc (8 to 40 Vdc)
Intrinsic consumption ....max. 12 W
Ambient temperature (operation).......................-20 to 70 °C / -4 to 158 °F
Ambient temperature (storage)........................-30 to 80 °C / -22 to 176 °F
Ambient humidity...95 %, non-condensing
Relay output ....potential free
Contact material ....AgCdO
Load (GP)...2.00 Aac@250 Vac
...................2.00 Adc@24 Vdc / 0.36 Adc@125 Vdc / 0.18 Adc@250 Vdc
Pilot duty (PD)...
....................1.00 Adc@24 Vdc / 0.22 Adc@125 Vdc / 0.10 Adc@250 Vdc

Housing   Front panel flush mounting .... Plastic housing
Dimensions   WxHxD .... 282 × 217 × 67 mm
Front cutout   WxH .... 249 [+1.1] × 183 [+1.0] mm
Connection...screw/plug terminals 2.5 mm²
Front... insulating surface
Sealing   Front...................................IP66 (with screw fastening)
                Front...................................IP54 (with clamp fastening)
                Back IP10
Weight.. approx. 1,300 g
Disturbance test (CE) .... tested according to applicable EN guidelines
Listings ....UL / cUL
Marine ....LR (Type Approval), ABS (Type Approval), DNV

DIMENSIONS

Plastic housing for front panel mounting

TERMINAL DIAGRAM

WOODWARD

RP-3000 Remote Panel

Serial **RS-232** isolated (Interface #1)	
Relay [R 01] isolated Fixed to „Ready for operation" [R 01]	41
	42
	43
	44
	45
	46
	47
	48
	49
	50
	51
	52
	53
	54
	55
	56
	57
	58
	59
	60
Protective earth PE	61
	62
Power supply 8 to 40 Vdc 12/24 Vdc	63
0 Vdc	64
	65
	66
	67
	68
	69
	70
	71
	72
	73
	74
	75
	76
	77
	78
	79
	80
CAN bus **Guidance level** isolated (Interface #2)	

For more information contact:

FEATURES OVERVIEW

	Model	RP-3000
HMI		
Soft keys (advanced LCD display)	*DynamicsLCD*™	Yes
Color display		✓
I/Os		
CAN bus communication interfaces	*FlexCAN*™	1
RS-232		1
Relay output (Ready for operation)		1
Listings/Approvals		
UL / cUL Listing		✓
LR Marine Type Approval		✓
ABS Marine Type Approval		✓
DNV		✓ (P/N 8446-1046 only)
CE Marked		✓
Part Numbers		
Front panel mounting with display (easYgen-3100/3200/3400/3500)	P/N 8446-	1048
Front panel mounting with display (easYgen-3400/3500 Marine)	P/N 8446-	1046
Spare connector kit	P/N 8923-	1314

RP-3000 OVERVIEW

The following easYgen-3000 genset controls are supported by the RP-3000 remote panel.

RP-3000	P/N 8446-1048	P/N 8446-1046
easYgen-3100/3200 Package P1[1] / Package P2[2]	✓	-
easYgen-3400/3500 Package P1	✓	-
easYgen-3400/3500 Marine Package P1	-	✓

[1] easYgen-3100/3200 Package P1 software version 1.15xx or higher.
[1] easYgen-3100/3200 Package P2 software version 1.13xx or higher.