

RSP 305 Remote Slave Panel

Introduction

RSP 305 is the correct choice for remote monitoring and control of diesel engine control panels type DCU 305. Up to four DCU 305 units can be connected to one RSP 305 remote slave panel.

The RSP 305 remote panel will shorten project time frames because of its automatic configuration feature.

It has the same high contrast/easy readable screen as the DCU 305.

The information is presented in exactly the same fashion as on the DCU 305. A common user interface locally in the wheelhouse and remote in the engine room makes it easier for the operator.

All commands such as Start, Stop, Standby/Manual and Reset are available.

The informative Engine Overview page displays the most important information from each engine. The operator can choose to zoom in at any of the engines, giving the same view as on the DCU 305 unit.

Automatic Configuration

The RSP 305 configures itself completely automatically by reading the configuration in all the connected DCU 305 units. This means the RSP 305 is immediately ready for use without any need for lengthy field configuration.

Communication

The RSP 305 is connected to the commu-

nication port of one or several DCU 305 units. The link is a 4-wire twisted pair cable. Self-configuring RS-232/RS-422 signal converters are used.

Alarm List

The common Alarm List displays alarms from all engines in the network, and the operator can choose to sort them chronologically, per engine or by severity. Alarms can be acknowledged and are kept in the log.

Log

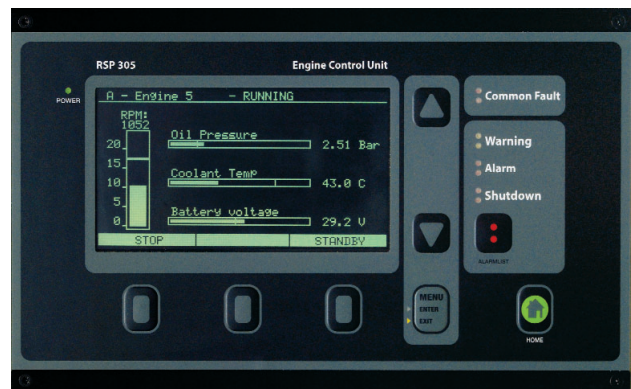
The built-in log stores and displays all alarms.

Compatibility

RSP 305 is compatible with all DCU 305 units.



The Engine Overview page is always quick at hand by pressing the home button.



Details from selected engine.

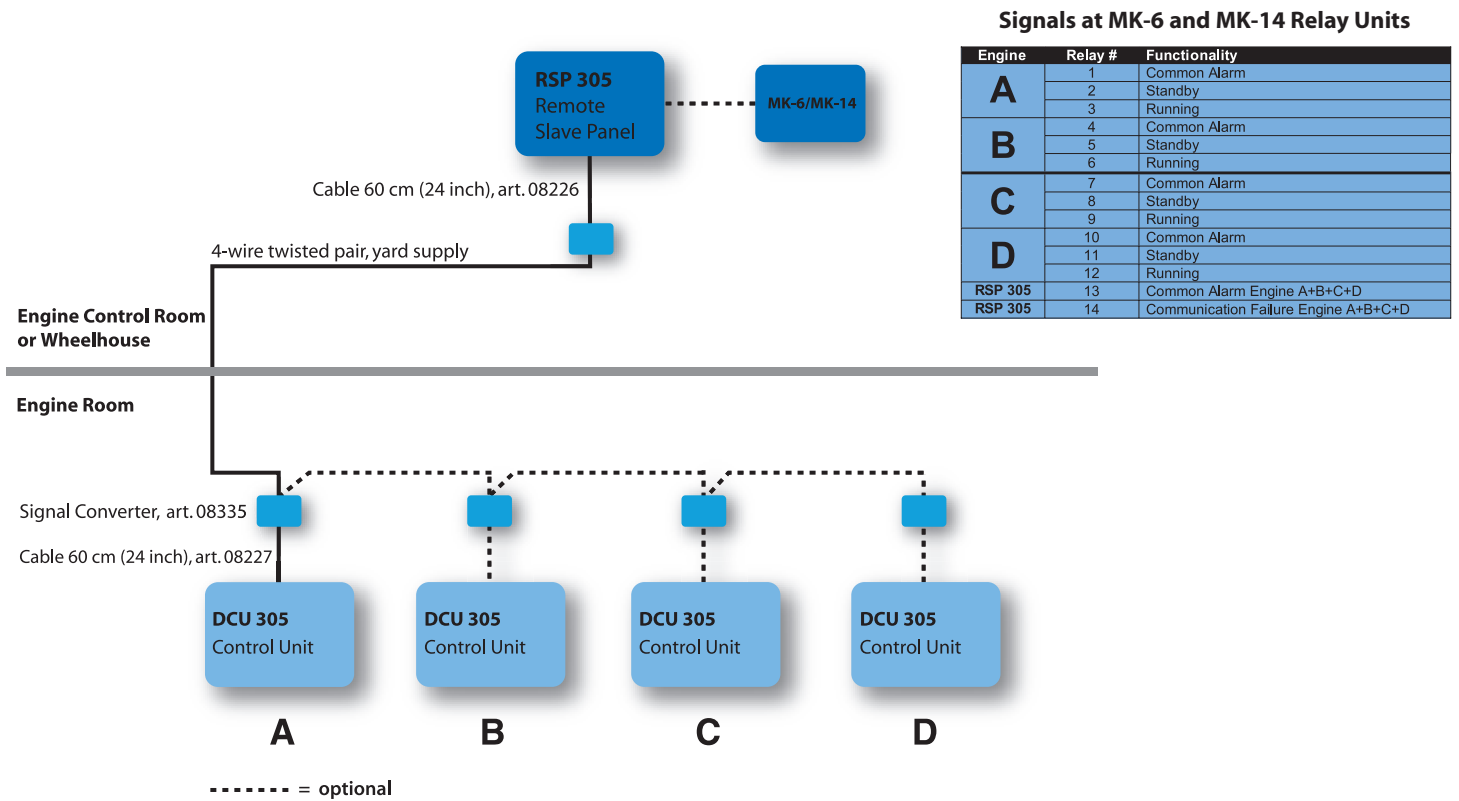
Features

- Self-configuring remote slave panel compatible with the DCU 305 range of control units.
- Easy access to common alarm list.
- Monitor and control of up to four DCU 305 engine control units.
- Commands for Start, Stop, Acknowledge alarms, Standby and Manual mode.
- Half light, and Night modes.
- Historical log of all events.
- Backlit graphical LCD.

Ordering Info

| Item | Article # |
|---|-----------|
| RSP 305 remote slave panel | 06500 |
| Signal converter RS-232/RS-422, self-configuring | 08335 |
| Cable between RSP 305 and signal converter, 200cm | 08226 |
| Cable between DCU 305 and signal converter, 60cm | 08227 |
| MK-6 Relay Unit | 75262 |
| MK-14 Relay Unit | 75263 |

System Overview



Signals at MK-6 and MK-14 Relay Units

| Engine | Relay # | Functionality |
|---------|---------|--------------------------------------|
| A | 1 | Common Alarm |
| | 2 | Standby |
| | 3 | Running |
| B | 4 | Common Alarm |
| | 5 | Standby |
| C | 6 | Running |
| | 7 | Common Alarm |
| | 8 | Standby |
| D | 9 | Running |
| | 10 | Common Alarm |
| RSP 305 | 11 | Standby |
| | 12 | Running |
| RSP 305 | 13 | Common Alarm Engine A+B+C+D |
| RSP 305 | 14 | Communication Failure Engine A+B+C+D |

Technical Specification

| | |
|---|---|
| Overall dimensions | 160x260x35 mm (6.3x10.2x1.4 inch) [HxWxD] |
| Cut-out dimensions | 146x230 mm (5.8x9.1 inch) [WxH] |
| Supply voltage | 24V smoothed, (20–30VDC) |
| Number of DCU 305 units that can be connected | 1-4 |
| Compatibility | DCU 305 R1/R2/R3 (R1 ver ≥2.1) |
| Communication cable max length (yard supply) | 1200 meter (3900 feet) |
| Communication speed | 9600 Baud |
| Current Consumption | <400mA |
| Automatic configuration | <60 sec |
| Power-on to Ready (when configured) | <5 sec/DCU 305 |
| Weight | 1250g (2.75 pounds) |
| Ambient Temperature in operation | 0-70C (32-158F) |
| Air Humidity in operation | <90% |

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