



FEATURES

- Provides 8 additional digital inputs to supported DSE products. (Models 5310/5320)
- Gives two additional analogue inputs suitable for connection to most analogue senders.
- Allows for further expansion by providing support for the DSE 549 remote annunciator
- Designed for mounting inside the control panel.
- All inputs fully configurable via the 'host controller'.
- Convenient two-part connector with screw terminals for easy installation.

DESCRIPTION

The P130 expansion input module is primarily designed to provide an additional eight digital and two analogue inputs to the 53xx range of DSE control modules.

All inputs (analogue and digital) are configured via the host controller which then monitors the 130 input expansion module to ensure the data connection remains intact. If the data connection is removed/broken, an alarm is initiated on the host module.

Additionally, the module provides a 4way socket for connection of the 549 remote annunciator.

Protection is also provided for the 549 data connection, in the form of a 'data cable fault' LED which will illuminate/flash if the data cable connections are shorted.



SPECIFICATION

DC Supply: 8 to 35 V Continuous.

Cranking Dropouts: Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5V. This is achieved without the need for internal batteries.

Max. Operating Current: 150mA at 12V. 81mA at 24V. This maximum current includes connection of the P549 remote annunciator which is powered by the P130.

Expansion digital Inputs 1-8: Switch to battery negative. Can be normally open / normally closed.

Expansion analogue inputs 1 & 2: Suitable for resistive type senders operating from 0Ω - 480Ω

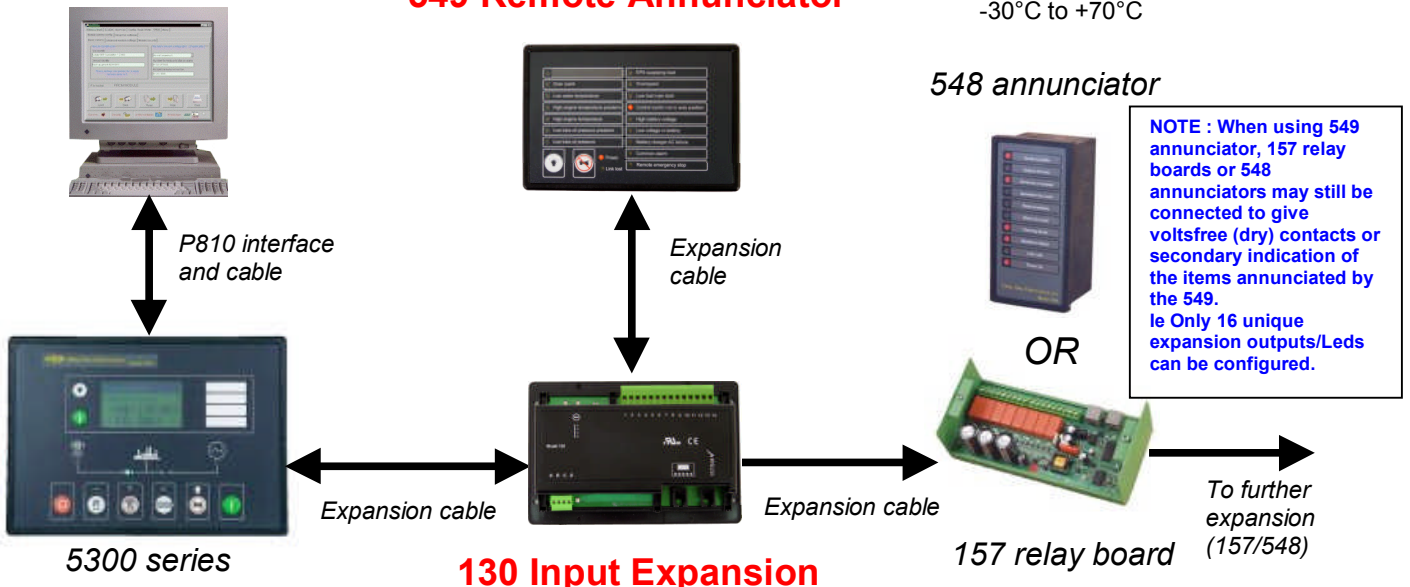
Dimensions: 171mm x 115mm x 49mm (6¾" x 4½" x 2")

Operating Temperature Range: -30°C to +70°C

TYPICAL CONNECTIONS

Configuration / monitoring PC

549 Remote Annunciator





FEATURES

- **Provides 16 additional LEDs**
- **Connects to P130 remote annunciator via single 4 core cable.**
- **Can be fitted up to 1000m (3333 ft) away from the P130 input expansion module**
- **Includes integral alarm sounder with alarm mute push-button.**
- **Integral lamp test button.**
- **Can be used to help meet NFPA 110 level 1 (USA) specifications.**
- **LEDs fully configurable via host controller.**
- **Fascia mounted gives IP55 protection when fitted with supplied gasket.**
- **Power and Link Lost LEDs to show operating status.**

DESCRIPTION

The 549 remote annunciator module is designed for connection to the P130 input expansion module. It provides the host controller with an additional 16 indicator LEDs, a remote mutable alarm sounder and LED test button.

The 549 is ideal for use in applications that must meet the requirements of the National Fire Protection Agency (NFPA) 110 Level 1 specification (USA).

16 RED LED indicators are provided, which are fully configurable via the host controller. However the 549's fascia label is pre-printed as follows :

- <User configurable – blank>
- Overcrank
- Low water temperature
- High engine temperature pre-alarm
- High engine temperature
- Low lube oil pressure pre-alarm
- Low lube oil pressure
- EPS supplying load
- Overspeed
- Low fuel main tank
- Control switch not in auto position
- High battery voltage
- Low voltage in battery
- Battery charger AC failure
- Common alarm
- Remote emergency stop

Additionally, fixed RED LEDs are provided to show connection of Power and state of connection to the P130 (Link Lost).



SPECIFICATION

DC Supply:

8V to 35V Continuous. Supplied from P130 module via 4 core interconnecting cable.

Cranking Dropouts:

Able to survive 0V for 50mS, providing supply was at least 10V before dropout and supply recovers to 5V. *This is achieved without the need for internal batteries.*

Max. Operating Current:

150mA at 12V. 81mA at 24V. This maximum current includes the P130 which provides power to the P549.

LEDs:

18 off, RED
Power On
Link Lost
16 configurable LEDs

Dimensions:

171mm x 115mm x 49mm
(6¾" x 4½" x 2")

Operating Temperature Range:

-30°C to +70°C

Deep Sea Electronics reserve the right to change specification without notice.

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