



DESCRIPTION

The 548 is an **LED display expansion module** for the 55x range of modules. It can be configured to provide local or remote LED indications driven directly from the host module, allowing the OEM to meet more complex specifications.

The system comprises a panel mounted module with an interconnecting FCC 68 cable.

The 548 features eight red LEDs which can be configured to be normally extinguished and *illuminating on command*, or normally lit and *extinguishing on command*.

The host module provides the commands.

The 550 auto-start module has approximately 100 different control sources from which to drive the LEDs.

Up to two 548 LED expansion modules can be used with the 55x module giving a total of 16 configurable LED outputs. Future modules will also provide even more control source commands to the 548.

Each 548 has a further LED to indicate that it is receiving a DC power supply and a flashing 'Link Lost' LED is fitted to indicate a communication problem to the host module.

On more complex panels, or where comprehensive remote signalling is required, each control module in the system can be connected to a 548 LED expansion module.

Using this modular approach, and the benefits of single wire host connection, complex specifications can be met in an efficient manner by standard product panels. Traditional methods would have required the use of a PLC based system with all its added complexities.

For a complete list of all the possible control sources for the 548 LED module, please refer to the P810 for Windows™ Manual.



SPECIFICATION

DC SUPPLY :

The 548 is powered from the plant battery or from a low voltage supply between 8 to 35V continuous. It is able to survive 0V for 50ms during cranking, 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:

20mA @ 12V, 26mA @ 24V.

MAX. STANDBY CURRENT:

107mA @ 12V, 113mA @ 24V

A or B MODE SELECTOR:

Recessed Jumper Selector on rear.

DIMENSIONS :

72 x 144 x 59 DIN rail mounted housing.

OPERATING TEMPERATURE

RANGE :

-25 to +55°C

INDICATIONS:

'Power On' LED

'Link Lost' (to controller) LED
Flashing

8 Configurable LED's

CONFIGURATION:

The module will automatically respond to signals from a correctly configured 55x series module. The module must be configured via the 810 interface and a PC. The expansion LEDs are numbered from 1 - 8, 9 -16 and appear in the Output Expansion configuration menu. For more information on configuration and output states refer to the P810 for Windows™ Manual.

NOTE

The 548 LED Expansion Module is designed to be used in conjunction with the 55x range of modules. It will also work with modules type 52x, 53x, 54x. It will not function with Manual start module type 51x or 509 AMF Module.

NOTE

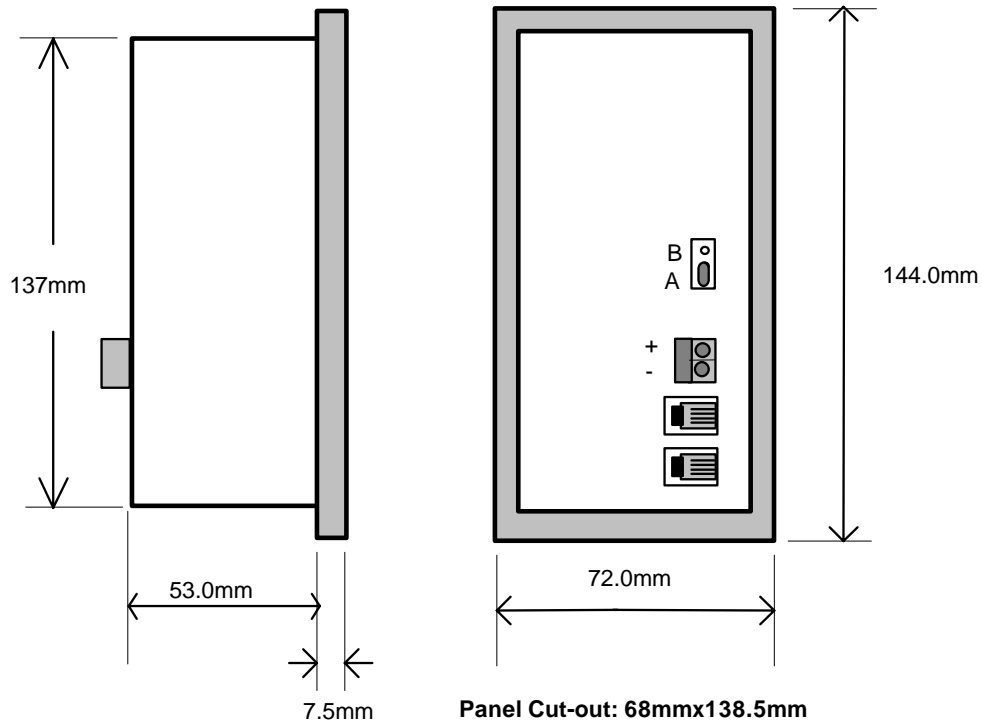
Input expansion for the 55x module can be achieved using the 540/541 Expansion Annunciator.

NOTE

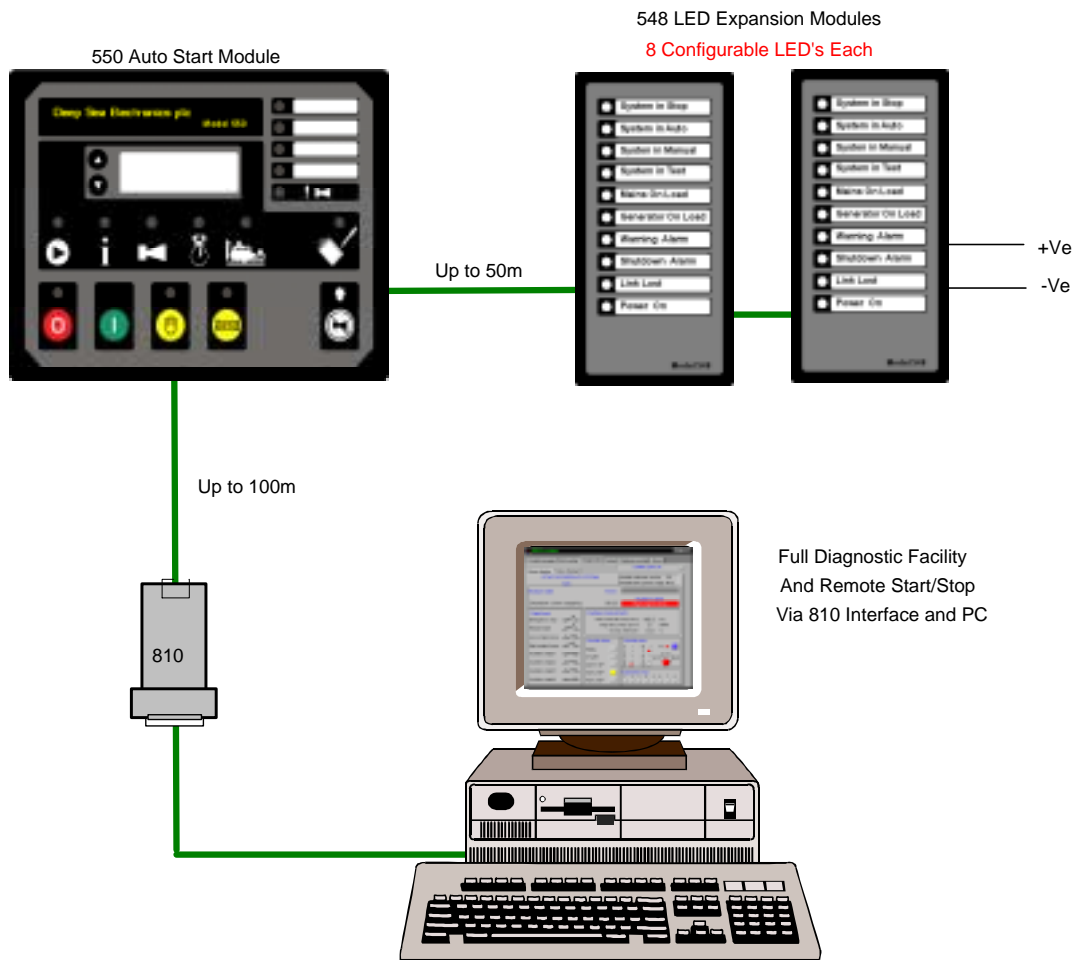
The 548 must be used in the correct mode to function correctly. The 'A' mode is used to number the 548 LED 1 through to 8. The 'B' mode is used to number the LED 9 through to 16.

16 independent LEDs are therefore given by using one 548 in 'A' mode and one in 'B' mode. Mode selection is via a recessed jumper on the rear of the 548.

CASE DIMENSIONS



TYPICAL CONNECTIONS



Deep Sea Electronics plc

Highfield House, Hunmanby Industrial Estate, North Yorkshire, YO14 0PH, England
 Tel: +44 (0) 1723 890099 Fax: +44 (0) 1723 893303 E-mail sales@deepseapl.com