

FAULT EXPANSION CIRCUIT FOR ECU-57N/88N ENGINE CONTROLS

Two fault expansion circuit allows easy addition of extra faults to the ECU-57N/88N Automatic Engine Control or other engine systems. Module consists of two relays, fault detector network, and latch wiring. Each fault latches on it's input and has a dry Form C output contact.

ECU®-FEX3

**VERSIONS FOR 12
AND 24 VDC**

APPLICATIONS: Automatic Engine Control, Generator Systems, Annunciators

FEATURES:

- Allow easy expansion of the ECU-57N/88N automatic engine control
- May be connected with more ECU-FEX3 modules to allow for an indefinite number of shutdown faults
- Can be used with any general purpose automatic engine control system
- Epoxy encapsulated module for excellent field reliability
- Compact module for easy mounting



ECU®-FEX3 AN EASY TO USE EXPANSION MODULE

The bulk of engine control systems require that certain engine faults cause engine shutdown. In most cases the engine control module takes care of this. Sometimes more faults than normal are required.

The ECU-FEX3 allows the easy expansion of the ECU-57N/88N engine controls to include more engine shutdown faults. Each module contains two fault circuits but may be connected with other modules to handle as many faults as needed.

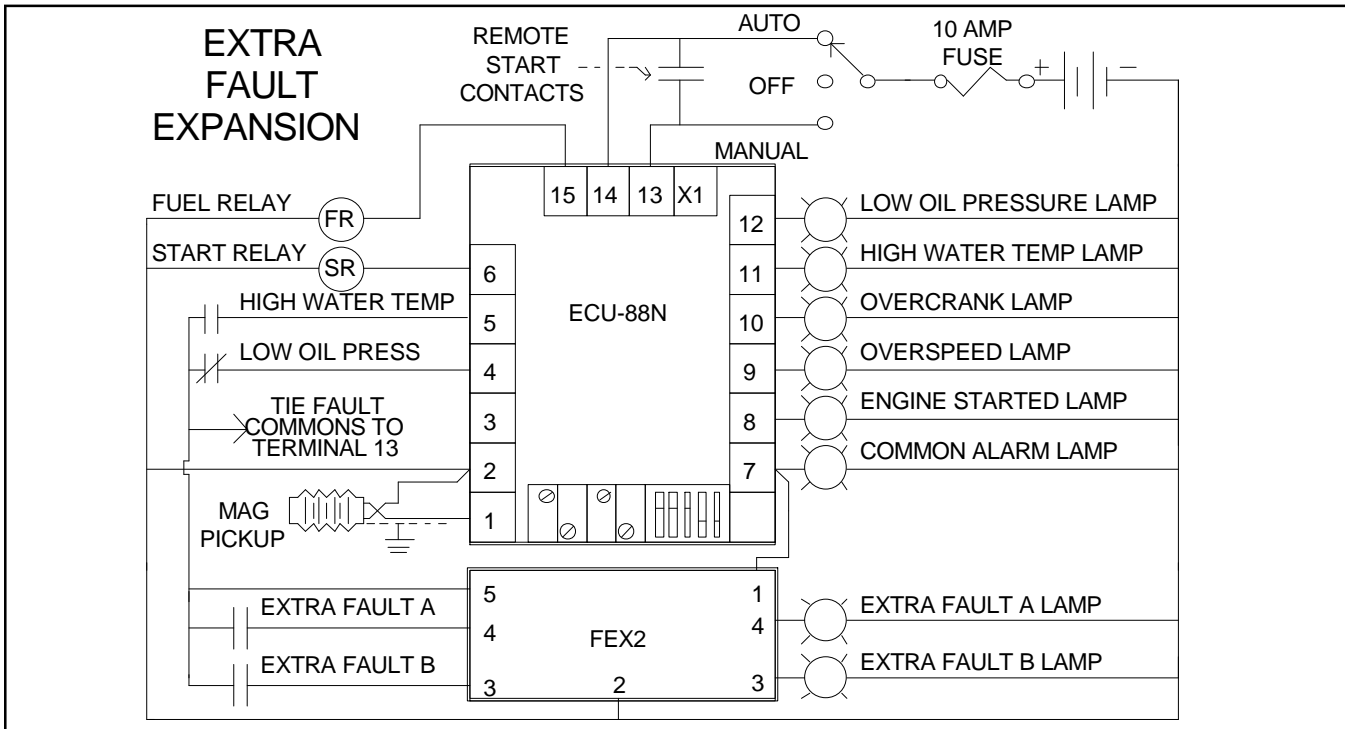
Each module processes alarm information that is passed on to the ECU-57N/88N. By using the latch power option any incoming fault will lock in and remain in until system reset of the engine control.

ECU® IS A REGISTERED TRADEMARK OF
ENGINEERING CONCEPTS UNLIMITED, INC.

P.O. BOX 250 - 8950 TECHNOLOGY DRIVE - FISHERS, IN 46038

Voice: 317-849-8470 Fax: 317-849-6475 E-Mail: sales@ecu-engine-controls.com

SAMPLE ECU®-FEX3 APPLICATION:
ECU®-57N/88N WITH 6 ENGINE SHUTDOWNS

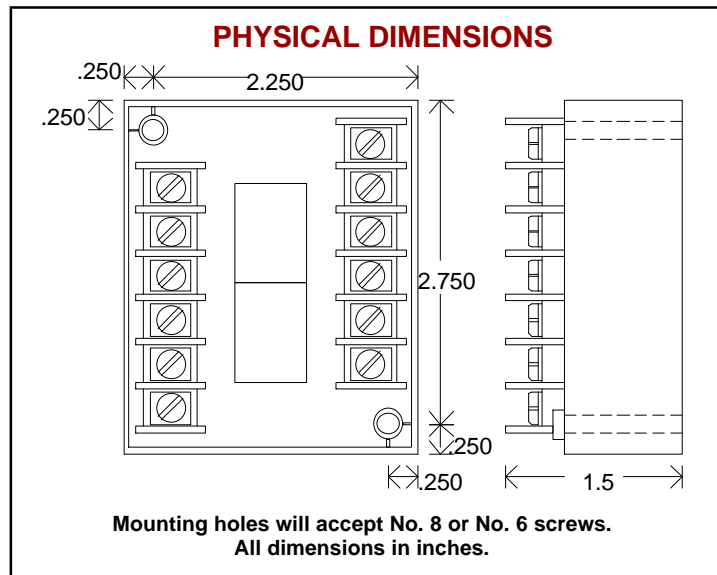
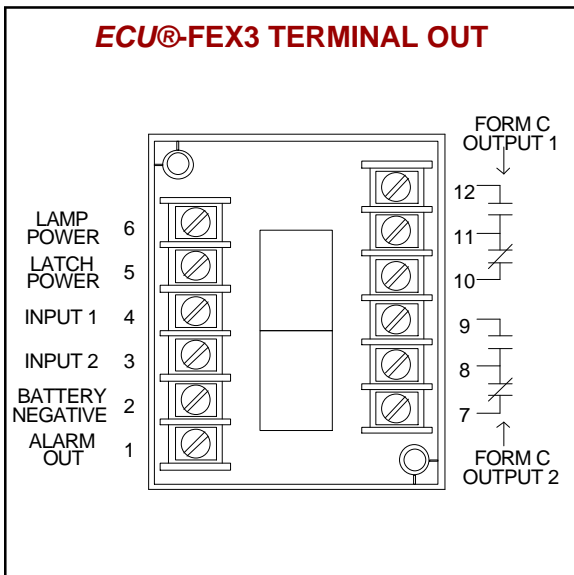


The above illustration shows the ease of adding extra faults when using the ECU-FEX3 module. The extra faults input contacts are connected as shown to terminals 3 and 4.

If the extra faults occur a signal is sent to terminal 7 of the ECU-57N/88N thus shutting the engine down and going to an alarm state. The system will reset by placing the engine control switch in the OFF position.

More fault modules may be added by jumpering terminal 5 to 5 and terminal 1 to 1 of the next ECU®-FEX3 module. Connect ground negative to terminal 2 of the additional modules. By following this procedure as many faults as required may be added to the system.

SPECIFICATIONS: 10 AMPS MAX FROM RELAY CONTACTS
 25% MAX DC OVERVOLTAGE



ORDERING INFORMATION:
ORDER BY SPECIFYING: ECU®-FEX3

**ECU® IS A REGISTERED TRADEMARK OF
 ENGINEERING CONCEPTS UNLIMITED, INC.**