

IO-8 & IO-24 Breakout Module

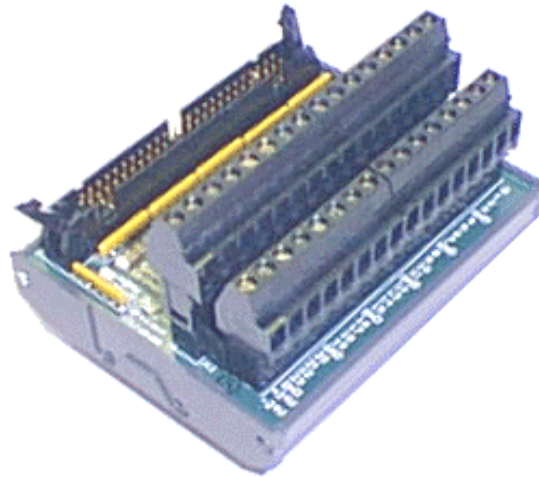
Convenient removable screw terminal connectors for easy wiring of your external connections.

Ribbon cable connection for quick convenient hook-up to your Eason Interface.

Built-in electrical protections prevent accidental over-current situations, protecting your Eason Model 2XXX or 4000 unit from damage.

LED indicators assist in application debugging and hardware troubleshooting.

Breakout module is DIN-rail mountable.



The Eason IO-8 & IO-24 Break-Out Modules are designed to provide an additional level of convenience and protection for Eason 2000 & 4000 Family Intelligent Operator Interfaces. *The use of these modules is **required** to maintain the warranty of the internal and PC104 expansion digital I/O.*

The Eason 2000/4000 family products have a unique interface that allows any line to be an input or an output. The IO-8 and IO-24 modules have on-board solid-state circuit breakers to protect the Operator Interface from inadvertent connections to the I/O points.

These circuit breakers will trip if the current rises to 250mA under a short circuit condition. This is twice the rated current condition of 125mA continuous. Should a circuit breaker trip, resetting it is as simple as removing the source of the short circuit and cycling the power applied to the IO Module and the Eason 2000/4000 Family product.

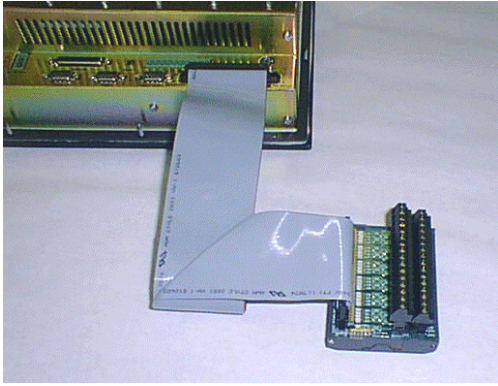
The IO-8/24 Modules require an external 5-30V DC power supply, which then also supplies the pull-up voltage for the on-board and PC104 I/O.

- 8 I/O points (IO-8)
- 24 I/O points (IO-24)
- 5-30VDC output voltage range
- 125mA continuous sink
- 250mA peak sink (1 sec.)
- 5-30VDC input voltage range
- Input threshold: ½ of pull-up voltage
- 10K Ohms input impedance
- Round Shielded or Flat Ribbon Cable Up To 10 Feet Long

EASON
TECHNOLOGY

INTELLIGENT INTERFACES

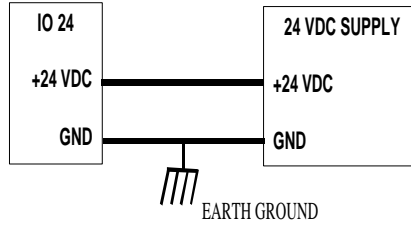
Sample IO-24 to Model 2550 Hookup



Ribbon cable connects IO-24 to Eason Model 2550

(Not shown are (1) DC power supply connection and (2) I/O wiring to IO-24 Module)

Power Supply Diagram



IO-8/24 Module requires external 5-30 VDC supply which also supplies the pull-up voltage for on-board and PC104 I/O on the Eason Model 2XXX/4000

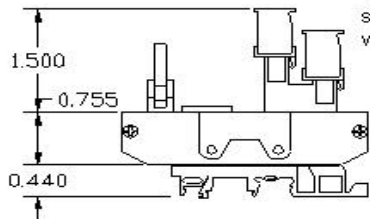
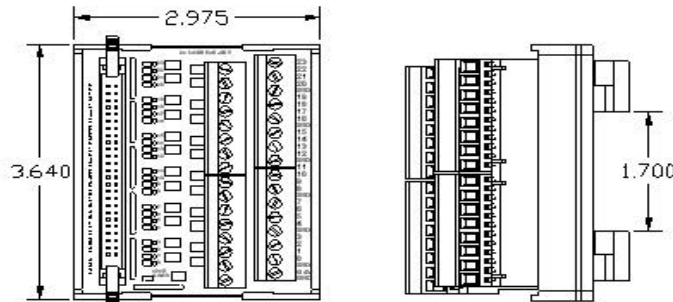
I/O Connections

When I/O point is used as an:

(1) Input: It is a "sourcing" type - to use an input, you must sink the current to ground. (ie, connecting the Input Point to ground will change the state of the input.) Sensor must have "NPN" outputs.

(2) Output: It is an "NPN sinking" type - to use the output, you must source the current from an external source so the Output Point can sink it to ground.

IO-24 Dimension: inches



Mounting feet can be snapped onto all standard mounting rails in accordance with DIN EN 50022, 50035, and 50045.



INTELLIGENT INTERFACES