

## RELAY SWITCHING SOLUTIONS

No custom test equipment is complete without some form of relay switch function. Often the applications include switching DUT power, setting control conditions, routing RF test signals and so much more.

The **Relay Switching Solutions'** collection from OI, offer test developers an impressive array of practical solutions that are easy-to-use, offer huge flexibility and comes with a price tag that is just a fraction of the cost for comparable PC-based test instruments.

With our switching solutions there is no need to provide a separate power source, OI relay modules are powered by the USB interface. To learn more about how our switching products are used and applied, just go to the OI website and request a demo unit for a free 10-day trial period.

### SPECIAL BENEFITS

- *Wide assortment of relay switching configurations*
- *Easy access to instrument resources*
- *Compact size, module just 2.50" x 2.75"*
- *Embedded or USB Interface*
- *Compatible with LabView, LabWindows, VB, HP-Vee, C/C++, Python & many others*
- *Low cost, OI modules can be as much as 60% less than traditional PC-based test instruments*
- *Use to build Smart Test Fixtures, create custom desktop test equipment or support larger ATE test systems*

### General Purpose & Beyond

The RELAY-MATE and SWITCH-MATE modules (shown below), are your "go to" solutions when a basic relay switch is required. This group also includes additional relay modules that offer extended performance (switch 200Vdc), faster switching speed and greater relay densities.

### MUX Mania

The MUX-MATE and 4WIRE-MATE modules offer unique signal multiplexing capabilities. When combined with a low-cost DMM, the MUX-MATE delivers an awesome 16-Ch scanner function. Use the 4WIRE-MATE to create a "gang" switch (for switching RS-232, USB, SPI & I<sup>2</sup>C circuits).

### Switching Expansion Module

For applications that require large relay configurations, OI is developing a new module called the SEM-MATE. The SEM-MATE will allow any combination of 8, OI relay modules to work-in-concert as single integrated unit.

#### RELAY-MATE

8-DPDT Relay Module



- 8-DPDT, 2 FORM-C, 1 Amp Relays
- LED indicate each active relay
- Rapid switching, < 4msec activation time
- Easy screw terminal connections or single consolidated header

#### SWITCH-MATE

8-SPST Relay Module



- 8-SPST, 1 FORM-A, 1 Amp Relays
- LED indicate each active relay
- Rapid switching, < 1msec activation time
- Easy screw terminal connections or single consolidated header

#### MUX-MATE

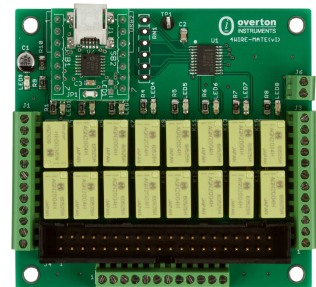
16-Ch Signal Multiplexer Module



- 16 X 2 X 1 Mux (16 relays, 2-poles and 1 common output)
- LED indicate each active relay
- Rapid switching, < 4msec activation time
- Easy screw terminal connections or single consolidated header

#### 4WIRE-MATE

8-CH 4PST Matrix Module



- 8 X 4 X 1 Multiplexer (8-channels, 4-poles, 1 common output)
- LED indicate each active relay
- Rapid switching, < 4msec activation time
- Easy screw terminal connections or single consolidated header

### ORDER INFO

RELAY-MATE,  
8-DPDT Relay Module  
**ETS-4010-00**

RELAY-MATE,  
with optional USB Interface  
**ETS-4011-00**

SWITCH-MATE,  
8-SPST Relay Module  
**ETS-4110-00**

SWITCH-MATE,  
with optional USB Interface  
**ETS-4111-00**

MUX-MATE,  
8-SPST Relay Module  
**ETS-4210-00**

MUX-MATE,  
with optional USB Interface  
**ETS-4211-00**

4WIRE-MATE,  
8-SPST Relay Module  
**ETS-4410-00**

4WIRE-MATE,  
with optional USB Interface  
**ETS-4411-00**