


# I/O SM Option Modules

## SM-I/O-LITE

This option module provides expanded digital and analog I/O plus encoder reference.

- 1 analog input ( $\pm 10$  V, 0-20, 20-0, 4-20, 20-4 mA)
- 1 analog output (0-10 V, 4-20, 20-4, 0-20, 20-0 mA)
- 3 digital inputs
- 1 relay (2 A @ 240 Vac, 4 A @ 30 Vdc)
- Quadrature encoder reference input

|  | SM-I/O-LITE             |                |               |
|---|-------------------------|----------------|---------------|
|   | Mentor MP<br>Quantum MP | Unidrive<br>SP | Digitax<br>ST |
|   | ✓                       | ✓              | ✓             |

| 1            | 2               | 3 | 4            | 5                            | 6 | 7  | 8               | 9 | 10 | 11 | 12 | 21 | 22 | 23 |
|--------------|-----------------|---|--------------|------------------------------|---|--|-----------------|---|----|----|----|----|----|----|
| PL1 Terminal | Function        |   | PL1 Terminal | Function                     |   | PL2 Terminal   | Function        |   |    |    |    |    |    |    |
| 1            | 0 V common      |   | 7*           | Digital input 3<br>Encoder B |   | 21   | Relay Contact 1 |   |    |    |    |    |    |    |
| 2            | Analog input    |   | 8            | Encoder B\                   |   | 22   | Not Connected   |   |    |    |    |    |    |    |
| 3            | Analog output   |   | 9            | Encoder A                    |   | 23   | Relay Contact 2 |   |    |    |    |    |    |    |
| 4            | +24 V           |   | 10           | Encoder A\                   |   | *When terminal 7 is used as an encoder input, then digital input 3 is not available. |                 |   |    |    |    |    |    |    |
| 5            | Digital input 1 |   | 11           | 0 V                          |   |  |                 |   |    |    |    |    |    |    |
| 6            | Digital input 2 |   | 12           | Encoder +5 V                 |   |  |                 |   |    |    |    |    |    |    |