

# F1-130AD wiring diagram and specifications

## Power Requirements

-Voltage Range 94-240VAC (30VA)  
100-240VDC (30W)

## Input specifications

-Number of input points 10  
 -Number of commons 3 (isolated)  
 -Input voltage range 80-132VAC  
90-150VDC  
 -Input current 6mA @ 132VAC  
6.8mA @ 150VDC  
 -ON current/voltage level >4mA/80VAC  
>4mA/90VDC  
 -OFF current/voltage level <2mA/45VAC  
<2mA/60VDC  
 -OFF to ON response <8ms  
 -ON to OFF response <15ms  
 -Fuses None

## DC Output specifications

-Number of output points 8 (sinking)  
 -Number of commons 3 (internally connected)  
 -Output circuitry MOSFET  
 -Output voltage range 5-30VDC  
 -Peak voltage 60VDC  
 -ON voltage drop 0.45VDC @ 0.5A  
 -Maximum current 0.5A/point (Y0-Y1)  
1.0A/point (Y2-Y7)  
 -Maximum leakage current 15µA at 30VDC  
 -Maximum inrush current 1.5A for 10ms (Y0-Y1)  
3A for 10ms (Y2-Y7)  
0.5A for 100ms (Y0-Y1)  
1A for 100ms (Y2-Y7)  
 -Minimum load None  
 -OFF to ON response Y0-Y1 10µs | Y2-Y7 3.5µs  
 -ON to OFF response 70µs | 110µs  
 -External DC power required 10-30VDC  
30mA + load current  
 -Fuses None (external recommended)

