London Electronics Large Display Meters

Fusion
• Analog & Digital Inputs
• Large, Bright Digits
• Setup Without Menus
• Indoor & Outdoor Models
• Choice of Mounting Position

SPECIFICATIONS

Process Input: 0-10V, ±13V, 4-20mA, ±24mA
Resistance: 1MΩ on V, 33Ω on mA
Excitation 24V 60mA
Temperature Input: Type J, K, T, R, S, B
3 or 4 wire PT100 RTD
Counter Input: 4 channels
Signal Type: Logic level; AC tach; NPN, PNP pulses <24V; 100mV inductive pickup;
Contact closure
Range: 0-40kHz
Excitation: 24V 60mA
Loadcell Input: 4 or 6 wire
Resistance: >10MΩ
Excitation: 10V 120mA
Serial Input: RS232 or RS485
Display: -1999 to 999999  (6d)
Accuracy: ±0.05% of range
Analog Out: >1kΩ 16 bit resolution
Relays: SPST 24V/250VAC resistive
Select NO or NC
Selectable energize or deenergize
Temperature: 0-50°C operating
Connectors: detachable screw terminals
Power: 50VA max.
Case: Black uPVC, 75mm depth

ORDERING INFORMATION

Example: Fusion2-F2-4N-P-0-AL2-232-B-AC-1-0

A Digit Height
F2 2" (57mm)
F4 4" (102mm)
F6 6" (150mm)
F8 8" (200mm)
F12 12" (300mm)
F16 16" (400mm)

B Digit Format
4N 4 digit numeric
4C 4 digit clock
6N 6 digit numeric
6C 6 digit clock
8N 8 digit numeric

C Function
C Counter
H Clock/timer
L Loadcell
P Process
S2 RS232 slave
S4 RS485 slave
T Temperature

D Analog Output
0 None
ANI 4-20mA
ANV 0-10V
ANB ±10V

E Alarm Outputs
0 None
AL2 2 alarms
AL4 4 alarms
SPCO 2 SPDT relays
DSS 2 solid state relays
QSS 4 solid state relays

F Serial Output
0 None
232 RS232
485 RS485
RTU RS485 Modbus

G Display Color
R Red
G Green
Y Yellow
B Blue
W White
RDV Red bright
GDV Green bright
YDIL Vellow bright
BDLV Blue bright

H Supply
AC 95-265VAC 50/60Hz
DC 11-30VDC
48VAC 48VAC

I Mounting
1 Panel, IP65 front
2 Wall, IP65
3 Top Suspension, IP65
4 Wall, IP54
5 Top Suspension, IP54
6 Rear Suspension IP54

Easy Reader

A simple and affordable way to see and share important measurements over large distances:
• 2" (57mm) digits for viewing up to 65ft (20m)
• 4" (102mm) digits for viewing up to 130ft (40m)
Available in 5 input types, these meters can be configured from the front panel.

SPECIFICATIONS

Process Input (Type P): 4-20mA, 0-10V, 1-5V, scalable
Display by: 1, 2, 5, 10, 20, 50
Count Input (Type C): NPN, PNP or contact closure
Accuracy: ±0.05% range ±1d @25°C
Slave Input (Type S): RS232, RS422, RS485 or TTY
Format: ASCII data from 300-9600 baud
Addressing: 00 to FF
Reset: Front panel or remote contact closure
Excitation: 24VDC, up to 30mA (except Slave)
Operating: 0-50°C, <95% RH non-condensing
Temperature: 95-265VAC, 11-30VDC
Dimensions: ER2 10.3x5.8x1.8" (260x140x45mm)
ER4 16.4x7.7x1.8" (415x195x45mm)
Sealing: IP54 dust tight (IP65 optional)

ORDERING INFORMATION

To Order—Insert Code for Each Letter to Select Catalog Number. Example ER4P-2-O-0

A Digit Size
2 2*
4 4*
B Type
P Process Input
C Count/rate Input
S Slave (ASCII)
H HH:MM Clock
T TC & PT100 RTD
C Mounting
1 Flush Panel
2 Wall
3 Suspension
6 Top of Cabinet
D Power
0 95 - 265VAC
DC 11-30VDC
E Brightness
0 Normal
DLV Ultrabright