

DL-EN1

EtherNet/TCP™ Compatible Communication Unit

SPECIFICATIONS

Model		DL-EN1
Ethernet specifications	Compliant standards	IEEE802.3u (100BASE-TX)
	Transmission speed	100Mbps (100BASE-TX)
	Transmission interface	STP cable or Category 5 or higher UTP cable (100BASE-TX)
	Maximum cable length	100 m (Distance between DL-EN1 and Ethernet switch)
Performance specifications	Socket communication, no-protocol commands, ASCII	TCP socket 1 Port number can be set between 1 and 65535 8500: Reserved for the system Initial value: 64000
Sensor connection specifications	Connectable sensors	Sensor amplifiers with D-bus support*1
	Number of connectable sensor units	15 units max*2
Indicator lamps		Link/activity indicator (LINK/ACT): Green LED Module status indicator (MS): 2-color (green/red) LED Network status indicator (NS): 2-color (green/red) LED Sensor communication indicator (D-bus): 2-color (green/red) LED
Power voltage		20 to 30 VDC ±10%, including ripple (p-p)10% (supplied from the connected sensor amplifiers)
Power consumption		1500 mW or less (at 30 V 50 mA max)
Environmental resistance	Pollution degree	2
	Ambient temperature	-20 to +55 °C -4 to 131 °F (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions
Materials		Main unit case: Polycarbonate
Weight		Approx. 70 g

*1 "D-bus" is the name of KEYENCE's wiring-saving system for sensor amplifiers.
*2 Varies with the sensor amplifiers connected.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

DL-EN1

