



Input expansion module

User manual



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1. General

This manual is applied to LX3V-8EX and LX3V-16EX digital input expansion modules.

2. Naming rule

Naming rule of LX3V I/O input expansion module:

LX3V-16 EX

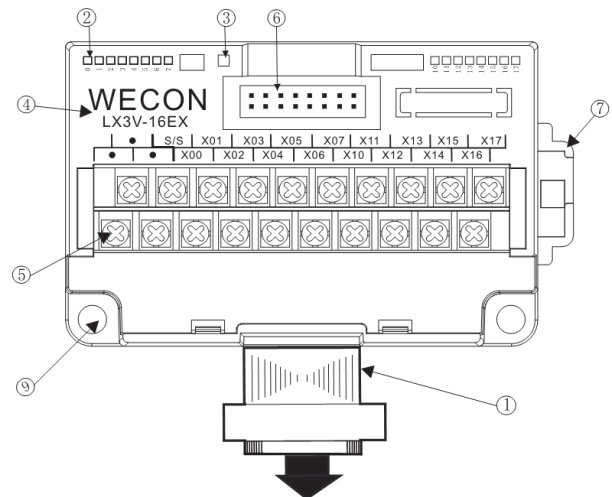
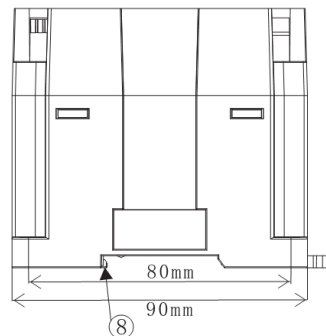
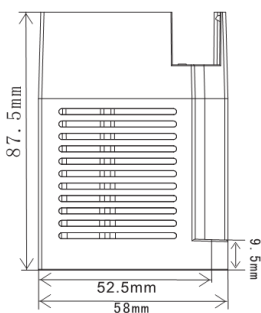
① ② ③ ④ ⑤

- ① WECON PLC;
- ④ Product type, E means expansion;
- ② Main module;
- ⑤ Expansion input(X);
- ③ Expansion module;

3. Dimensions

Weight: Approx 0.3kg (0.66lbs)

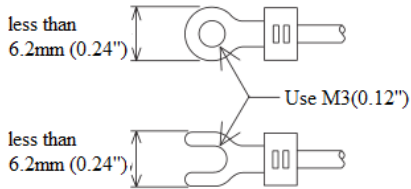
Dimensions: mm



- ① Extension cable and connector
- ④ Module name
- ② State LED: Light when normal condition
- ⑤ digital signal output terminal
- ③ Power LED: Light when connect to 24V
- ⑥ Extension module interface

- ⑦ DIN rail mounting slot
- ⑧ DIN rail hook
- ⑨ Mounting holes ($\phi 4.5$)

2.1 Crimp terminations



- Please use crimp terminals as indicated on the graph.
- The tightening torque should be applied 5 to 8 Kg.cm.
- Other terminals should be empty but only wiring terminals mention in this manual.

4. Output specification

Item	DC input
Mode	LX3V-16EX
Output circuit	
Input voltage	DC $\pm 24V \pm 10\%$ *1
Input current	5mA/ DC 24V
Input ON current	More than 3.5mA
Input OFF current	Less than 1.5mA
Input response time	About 10ms
	X0~X7 built-in digital filter, setting time 0 ~ 60ms
Input signal	Contact or NPN or PNP
Circuit insulation	Photo-coupling
LED	Lights when input is energized