

คุณสมบัติ

HMI

- จอแสดงผลชนิดตัวอักษร 2 บรรทัด
- ออกแบบหน้าจอได้ 60 หน้า
- รองรับ Font ได้ 15 ภาษา
- IP65/NEMA4X

PLC

- High-speed counters & PWM outputs
- Auto-tune PID, up to 4 loops
- สามารถสื่อสารแบบ RS232/485 ได้
- ขยาย I/O โดยใช้ Expansion Model ได้



ข้อมูลทางเทคนิค

Palm-size PLC + textual HMI and up to 38 onboard I/Os (expandable up to 150)

Article Number	M91-2-R1	M91-2-R2C	M91-2-R6C	M91-2-R34	M91-2-T1	M91-2-T38	M91-2-T2C	M91-2-UN2	M91-2-UA2	M91-2-RA22
	10 Digital 1 Analog Inputs 6 Relay Outputs	10 Digital 2 Analog Inputs 6 Relay Outputs	6 Digital 6 Analog Inputs 6 Relay Outputs	20 Digital 2 D/A ¹ Inputs 12 Relay Outputs	12 Digital Inputs 12 Transistor Outputs	22 Digital Inputs 16 Transistor Outputs	10 Digital 2 D/A ¹ Inputs 12 Transistor Outputs	10 Digital 2 D/A/PT100/TC ¹ Inputs 12 Transistor Outputs	10 Digital 2 D/A/TC ¹ Inputs 10 Transistor 2 Analog Outputs	8 Digital, 2 D/A 2 PT100/TC/ Digital ¹ Inputs 8 Relay 2 Analog Outputs
Inputs										
Digital pnp/npn	10	10	6	22	12	22	12	12	12	12
HSC/Shaft-Encoder/ Max. Freq. Measurer ²	3 10kHz 16-bit	3 10kHz 16-bit	1 10kHz 16-bit	3 30kHz ³ 16-bit	2 10kHz 16-bit	2 30kHz ³ 16-bit	3 10kHz 16-bit	2 10kHz 16-bit	1 30kHz ³ 16-bit	1 30kHz ³ 16-bit
Analog	1 10-bit 0-10V, 0-20mA 4-20mA	2 10-bit 0-10V, 0-20mA 4-20mA	6 10-bit 2 0-10V 0-20mA, 4-20mA and 4 0-20mA 4-20mA	2 10-bit 0-10V, 0-20mA 4-20mA	None	None	2 10-bit 0-10V, 0-20mA 4-20mA	2 14-bit 0-10V, 0-20mA 4-20mA	2 14-bit 0-10V, 0-20mA 4-20mA	2 14-bit 0-10V, 0-20mA 4-20mA
Temperature Measurement	None	None	None	None	None	None	None	2 PT100/TC	2 TC	and as 2 PT100/TC
Outputs										
Digital	6 relay	6 relay	6 relay	12 relay	12 pnp	16 pnp	12 pnp	12 pnp	10 pnp	8 relay
High-Speed Outputs/ PWM ⁴	None	None	None	None	2, first 2 outputs can function as HSO, 0.5kHz maximum					None
Analog	None	None	None	None	None	None	None	None	2 12-bit: 0-10V, 4-20mA	2 12-bit: 0-10V, 4-20mA
I/O Expansion										
I/Os may be added via expansion port										
Program										
Application Memory	36K (virtual) Ladder code capacity									
Memory Operands	256 coils, 256 registers, 64 timers									
Database	1024 integers, (indirect access)									
Operator Panel										
Type	STN LCD									
Display Size	2 lines x 16 characters									
Keypad										
Keys	15 keys									
General										
Power Supply	12/24VDC	12/24VDC	24VDC	24VDC	12/24VDC	24VDC	12/24VDC	12/24VDC	24VDC	24VDC
Battery	7 years typical at 77°F, battery back-up for all memory sections and RTC									
Environment	NEMA4X/IP65 (when panel mounted)									
Clock (RTC)	Real-time clock functions (date and time)									

คุณสมบัติพิเศษ

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|--|---|---|
| ☐ Color Display | ☐ Web Server | ☐ Remote Expansion |
| ☐ Touch Screen | ☐ Send e-mail | ☐ Audio Player |
| ☐ HMI Graph | ☐ VNC connect to Smart Phone or PC | ☐ Auto-tune PID |
| ☐ Multi Language | ☒ CANbus* | ☐ Data Logging & Trend |
| ☒ Keypad | ☒ MODBUS | ☐ Data Table |
| ☐ Alarm History | ☒ SMS | ☒ Remote Access |
| ☐ SD Card | ☐ Snap-in I/O | |
| ☐ TCP/IP | ☒ Expansion | |
| ☐ USB | | |

* ใช้งานได้ในบางรุ่น