

## Programmable Logic Controllers

# Micro-EH Series

Hitachi's compact PLC series MICRO-EH. Maximum power, mini format.

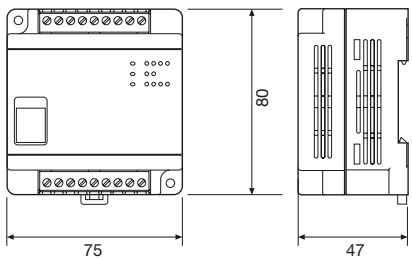
- 10 to 176 I/O
- Analogue data processing
- Starting at 0.9  $\mu$ s / basic command
- Expandable
- IEC 61131-3 programming
- PWM and pulse train outputs
- Interrupt inputs
- 32 bit-RISC-processor
- High-speed counter input
- Real-time clock



## All features at a glance

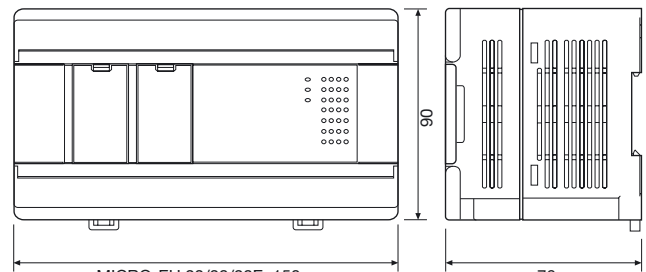
Type		Compact PLC (Central Units)					Expansion units				
		MICRO-EH 10	MICRO-EH 14	MICRO-EH 23	MICRO-EH 28	MICRO-EH 64	MICRO-EH 14E	MICRO-EH 28E	MICRO-EH 64E	MICRO-EH 4ERTD	MICRO-EH 6ERTD
Power supply	24V DC	•	•	•	•	•	•	•	•	•	•
	110 – 240V AC	–	•	•	•	•	•	•	•	•	•
Cycle time per binary instruction		0.9 μs	0.9 μs	0.9 μs	0.9 μs	0.9 μs					
Memory	Program (1 step = 4 Byte)	3 k steps max. (12 kByte)	3 k steps max. (12 kByte)	3 k steps max. (12 kByte)	3 k steps max. (12 kByte)	16 k steps max. (64 kByte)					
	Data	10 kByte	10 kByte	10 kByte	10 kByte	66 kByte					
	Type	FLASH and RAM	FLASH and RAM	FLASH and RAM	FLASH and RAM	FLASH and RAM					
	Pluggable	coming soon	coming soon	coming soon	coming soon	•					
Functions	Real time clock	–	–	•	•	•					
	Potentiometer, 10 bit resolution	–	2	2	2	optional					
Modules	Digital inputs	6	8	13	16	40	8	16			
	Type of inputs	DC	DC / AC	DC	DC / AC	DC	DC	DC			
	Digital outputs	4	6	10	12	24	6	12			
	Type of outputs	Relay/Trans	Relay/Trans/Triac	Relay	Relay/Trans/Triac	Relais/Trans	Relay/Trans	Relay/Trans			
	Analogue inputs			2		2 (optional)			4	4	4
	Type of analogue inputs			I/U, 12 bit		U, 10 bit			I/U, 12 bit	RTD	RTD
	Analogue outputs			1					2		2
	Type of analogue outputs			I/U, 12 bit					I/U, 12 bit		I/U, 12 bit
	max. number of expansion units		4	4	4	4					
	High-speed counter inputs	3 channels 10 kHz max.	4 channels 10 kHz max.	4 channels 10 kHz max.	4 channels 10 kHz max.	4 channels 100 kHz max.					
	Interrupt inputs	3	4	4	4	4					
	PWM outputs	4 channels 2 kHz	4 channels 2 kHz	4 channels 2 kHz	4 channels 2 kHz	4 channels 65 kHz					
	Pulse output	4 channels 5 kHz	4 channels 5 kHz	4 channels 5 kHz	4 channels 5 kHz	4 channels 65 kHz					
	Base unit	32 bit RISC processor	•	•	•	•	•				
Communication	Serial	RS-232 (1x)	RS-232 (1x)	RS-232 (1x) RS-485 (1x)	RS-232 (1x) RS-485 (1x)	RS-232 (1x) RS-485 (opt.)					
Connections	Removable terminal block	–	•	•	•	•	•	•	•	•	
Mounting											DIN rail or wall mounting

### Dimensions MICRO-EH-10 types



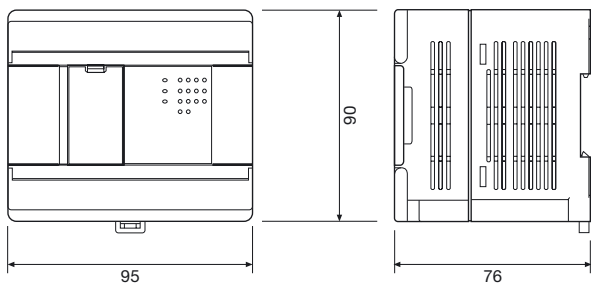
Unit: mm

### Dimensions MICRO-EH-23/28/28E/64 types



Unit: mm

### Dimensions MICRO-EH 14/14E/64E/4ERTD/6ERTD types



Unit: mm

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