

# ICT-200: INDUSTRIAL CONTROL TRAINER

The Industrial Control Trainer provides students with a flexible system allowing for hands-on experiments in wiring and troubleshooting of



control circuits. The system gives access to devices allowing students to connect all circuit components directly or via terminal blocks.

#### TOPICS COVERED

- Motor Control Devices
- Pilot devices
- Pushbuttons (Wiring, emenrgency)
- Selector switches
- Automatic Control Devices
- Control Relays
- Timer relays
- Sensors
- Contactors-Motor Controls
- Troubleshooting circuits





#### DIFFERENT HMI





DIFFERENT CONTROLLER OPTIONS





**ICT-200** 

The Industrial Control Trainer

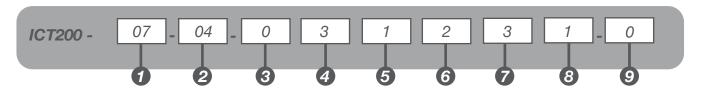


NF486B



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#### **HOW TO ORDER** •



#### Select at least one

# Controller options

- **01** AB Micro800
- 02 AB MicroLogix 1100
- 03 AB CompactLogix<sup>1</sup>
- **04** Siemens S7-1200
- **05** Siemens S7-1500
- **06** Siemens S7-300<sup>1</sup>
- 07 Omron CP1
- 08 Mitsubishi FX-3
- **09** Automation Direct Do-More
- 00 No PLC

#### Select one

# HMI Options

- 01 AB 7" Micro PanelView
- 02 AB PanelView Plus 7"1
- 03 Siemens KTP-700 7"
- **04** Omron NB 7"
- 05 Mitsubishi GS 7"
- 06 Automation Direct C-More
- **00** No HMI <sup>2</sup>
- <sup>1</sup> Software not included
- $^{2}$  If a PLC is purchased it is recommended to purchase an HMI

#### Select one

### Supply Voltage

- 1 120 Vac Single Phase
- 2 208 Vac 3-Phase
- 3 230 Vac Single Phase<sup>3</sup>
- 4 400 Vac Three Phase<sup>4</sup>
- Will require single phase motor if motor option is selected
- <sup>4</sup> Can utilize Single or 3-Phase Motor Option if motor is selected

#### Select all required

#### 3 Software options

- A PLC Software for AB Option (To be included for controller option 03)
- B PLC Software for Siemens Option (To be included for controller option 06)
- C HMI Software for AB Option (To be included for HMI option 02)
- O No software

#### Select one

#### Fault Insertion

- Fault Insertion (Requires pre-wire to terminal blocks or banana jack connections)
- 2 Faulted Parts
- O No faults

Select one

#### Select one

#### Connection options

- 1 User Connections to Terminal Blocks
- 2 Devices Pre-Wired to Terminal Blocks
- 3 Banana Jack Connections

#### Select all required

#### Add-Ons

- A Basic Sensors Package
- **B** Advanced Sensor Package
- C 1-Phase Motor
- D 3-Phase Motor 6
- E AC Variable Speed Drive with 3-Phase Motor<sup>7</sup>
- F DC Variable Speed Drive with DC Motor 7
- **G** Stack/Signal Light
- H NEMA Enclosure8
- O None

Select one

# 1 Table Top

2 Suitcase

Form factor

3 Mobile Cart with Motor Mount and Wire Rack

#### Double side option

- 1 Single side
- 2 Double side <sup>5</sup>
- Only include Mobile Cart Once per system

## <sup>6</sup> Requires 3-Phase input

- <sup>7</sup> Single or 3-Phase input
- 8 All components mounted in industrial enclosure









<sup>1</sup> Software not included