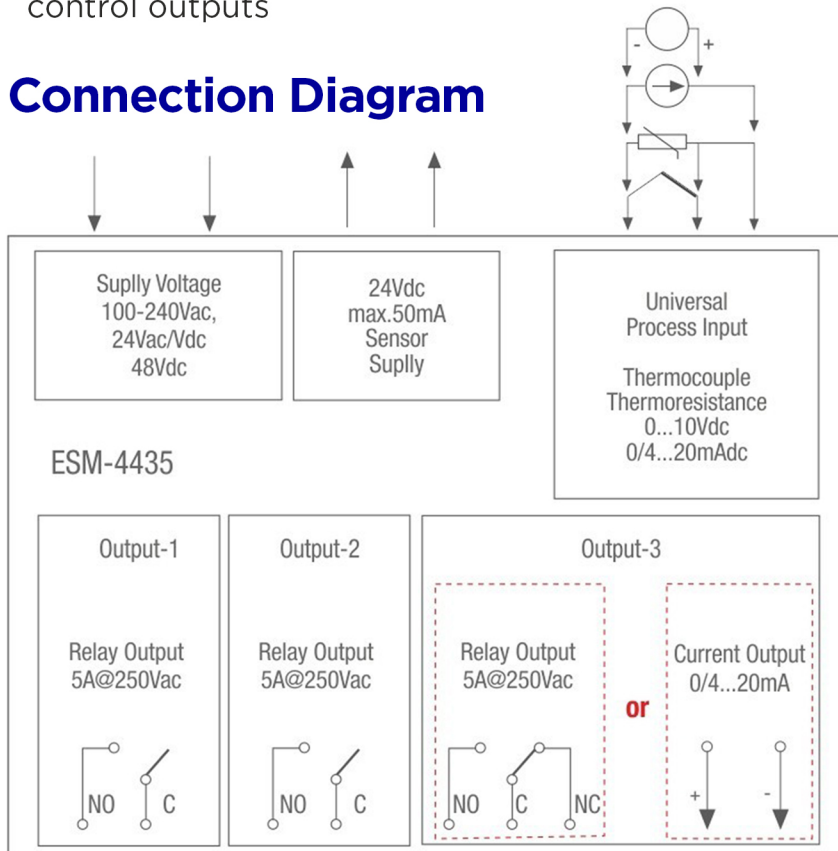


ESM-4435

Universal Input, Dual Set PID Process Controller

- Universal process input (TC, RTD, mVdc, Vdc, mAdc)
- Dual or multi point calibration for dc Voltage/Current input
- Bumpless transfer
- Auto-tune ve Self-tune PID
- 4 Digits process (PV) and 4 Digits set (SV) display
- Configurable ON/OFF, P, PI, PD, and PID control forms
- Manual/Automatic mode selection for control outputs
- Programmable heating, cooling and alarm functions for control outputs

Connection Diagram



PT MULTI MAKMUR TEKNIKATAMA

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| Features | Descriptions |
|---------------------------------|---|
| Physical Features | |
| Dimensions | 48 mm x 48 mm 87.5 mm |
| Protection Class | IP65 at front, IP20 at rear |
| Installation | Fixed Installation |
| Storage / Operating Temperature | 0...50°C |
| Storage / Operating Humidity | 90 % max. (None condensing) |
| Electrical Features | |
| Supply Voltage and Power | 100-240 Vac (-15%,+10%) 50/60 Hz. 6 VA 24 Vac (-15%,+10%) 50/60 Hz. 6 VA 24 Vdc (-15%,+10%) 6 W |
| Sensor Inputs | "J"Fe,Cu,Ni "K"Ni,Cr "R"Pt13%RhPt "S"Pt10%RhPt PT-100 |
| Optional Sensor Inputs | |
| Scale | Fe CuNi -200°C...900°C NiCr -200°C...1300°C Pt13%RhPt 0°C...1700°C Pt10%RhPt 0°C...1700°C PT 100 -200°C,650°C |
| Accuracy | ± 0,25% of full scale for thermocouple, thermoresistance and voltage,± 0,70% of full scale for current. |
| Output | |
| Relay Output | (2x) 5A@250 Vac at resistive load |
| SSR Output | 15mA@15V (maximum) |
| Analogue Output | |
| Optional Outputs | |
| Control | |
| Control Form | On / Off, P, PI, PD, PID |
| Reading Frequency | 10 readings per second |
| Communication Protocols | |
| Approvals | CE |

