

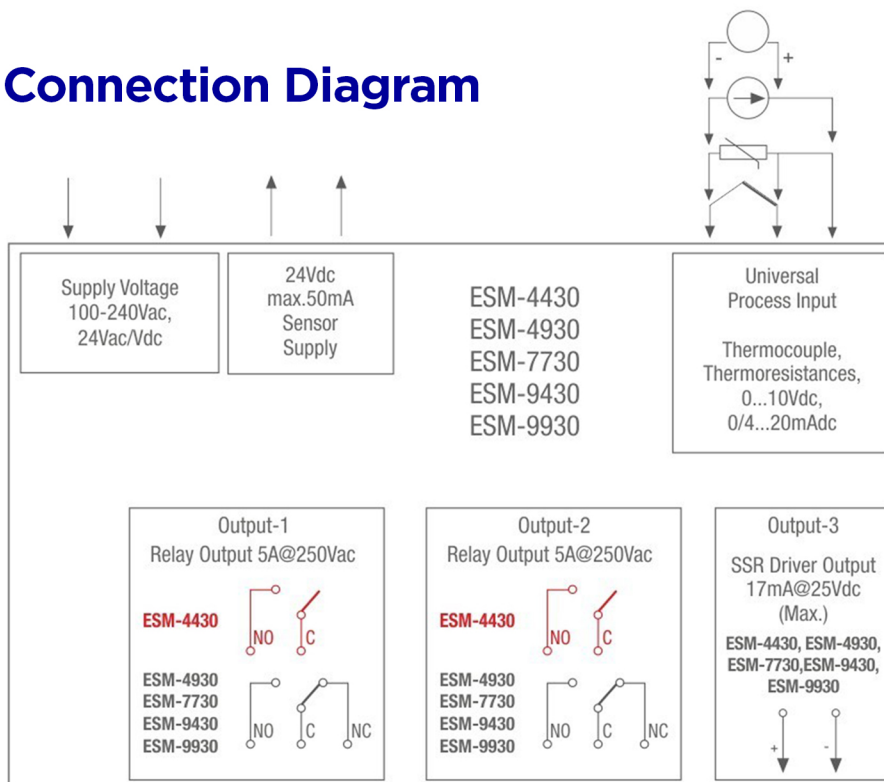
ESM-9930

Process Control Device with Universal Input and Dual Set

- Auto-tune and Self-tune PID
- Dual or multi point calibration for dc Voltage/Current input
- Bumpless transfer
- 4 Digits process (PV) and 4 Digits set (SV) display
- Universal process input (TC, RTD, mVdc, Vdc, mAdc)
- 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

Phone: +62 21 54350091 | +62 21 54350092 | +62 21 54350181

Mobile WA: +62 878 6314 1371 | **Fax:** +62 21 54350182

Email: admin@multimakmur.co.id | **Website:** www.multimakmur.co.id



| Features | Descriptions |
|---------------------------------|--|
| Physical Features | |
| Dimensions | 96 mm x 96 mm 87,5 mm |
| Protection Class | NEMA 4X (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 | Selectable by configuration parameters L (DIN43710), J, K, R, T, S, B, E, N (IEC584.1) (ITS90) |
| Optional Sensor Inputs | Selectable by configuration parameters 0-50 mV, 0-5 V, 0-10 V Selectable by configuration parameters 0-20 mA, 4-20 mA |
| Scale | |
| Accuracy | ± 0.25% of full scale for thermocouple, thermoresistance, mV, V and mA input. |
| Output | |
| Relay Output | 5A@250 Vac at resistive load |
| SSR Output | 17mA@25V Dc(Maximum) |
| Analogue Output | |
| Optional Outputs | |
| Control | |
| Control Form | On / Off, P, PI, PD, PID |
| Reading Frequency | 3 readings per second |
| Communication Protocols | |
| Approvals | UL Recognized Component (File No : E 254103), GOST-R, CE |

