



EC SERIES

Auto Tune PID Controller

NEW RELEASE



EC-48



EC-72



EC-49



EC-96

EC Series Controller are Microprocessor based controllers.

Which have been designed with high accuracy input, various output option with good reliability and repeatability.

EC Series used PID Algorithm to implement excellent control

for wide range of Application like Temperature, Humidity, Pressure,

Flow & PH as well other Process Controls. EC series 'AT' Auto tuning

function can calculate the optimized PID value for your control system to avoid manual setting in different process conditions.

FEATURES :

- **UNIVERSAL INPUT SENSOR**
(J, K, R, S, T, B, E, PT-100, 0~20mA, 4~20mA, 0~10V DC)
- Main Control O/P : Relay, SSR, 4~ 20mA DC
- Alarm : Relay (3A)
- Display : 4 Digit PV / 4 Digit SV
- Visual Led Indication : Control O/P, Alarm, Auto Tune.

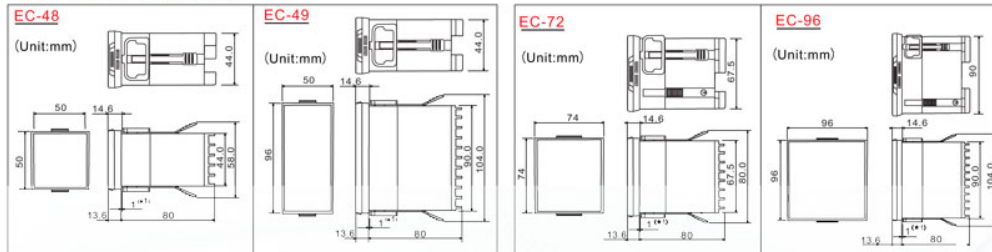


ORDERING INFORMATION

| MODEL | OUTPUT 1 | OUTPUT 2 | ALARM | POWER |
|------------------|-------------|----------|----------|--------------|
| EC SERIES | 1 | 0 | 1 | A |
| EC - 48 | 0 NONE | 0 NONE | 0 NONE | A AC 89~264V |
| EC - 49 | 1 RELAY | | 1 1SET | D DC 24V |
| EC - 72 | 2 SSR DRIVE | | 2 2SET | |
| EC - 96 | 3 4~20mA DC | | | |

| DISPLAY SIZE : | EC-48 | EC-49 | EC-72 | EC-96 |
|----------------|-------|-------|-------|-------|
| PV : | 0.3" | 0.3" | 0.56" | 0.8" |
| SV : | 0.3" | 0.3" | 0.39" | 0.56" |

2.2 Dimensions



| | A | B | C | D | E |
|---------|----|----|------|----|------|
| EC - 48 | 48 | 48 | 10.5 | 83 | 45 |
| EC - 49 | 48 | 96 | 10.5 | 83 | 90.5 |
| EC - 72 | 72 | 72 | 10.5 | 83 | 67.5 |
| EC - 96 | 96 | 96 | 10.5 | 83 | 90.5 |

| | A | B | C | D |
|---------|----------------------------------|----------------------------------|-----|-----|
| EC - 48 | 46 ^{+0.5} ₋₀ | 46 ^{+0.5} ₋₀ | 70 | 70 |
| EC - 49 | 46 ^{+0.5} ₋₀ | 91 ^{+0.5} ₋₀ | 120 | 70 |
| EC - 72 | 68 | 68 | 100 | 100 |
| EC - 96 | 91 | 91 | 120 | 120 |

