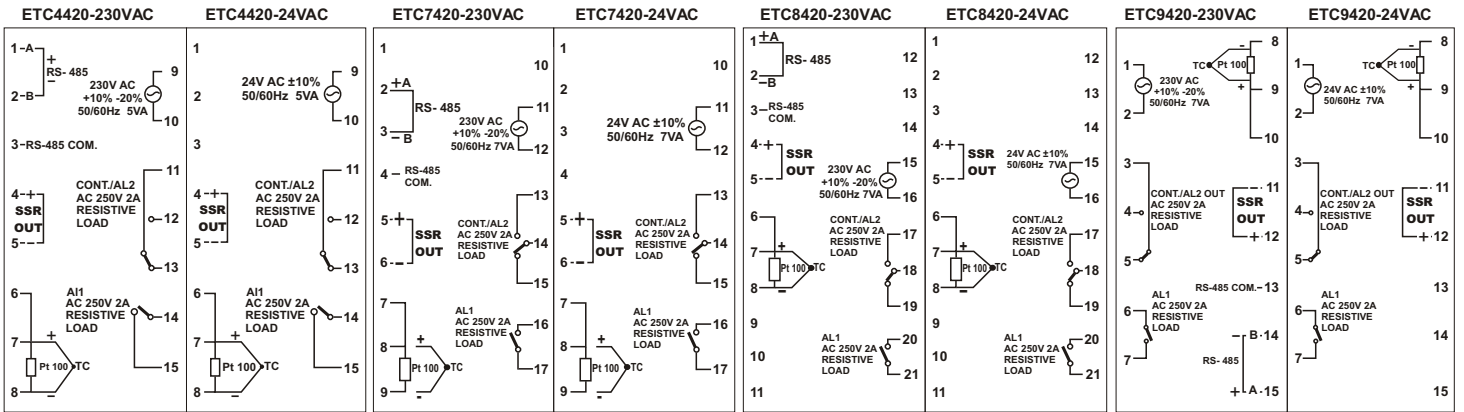


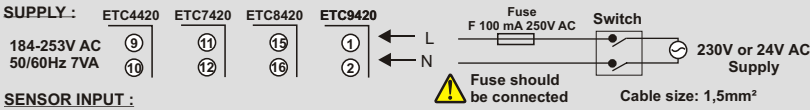
CONNECTION DIAGRAM



ENDA ETC series are intended for installation in control panels. Make sure that the device is used only for intended purpose. The shielding must be grounded on the instrument side. During an installation, all of the cables that are connected to the device must be free of energy. The device must be protected against inadmissible humidity, vibrations, severe soiling and make sure that the operation temperature is not exceeded. All input and output lines that are not connected to the supply network must be laid out as shielded and twisted cables. These cables should not be close to the power cables or components. The installation and electrical connections must be carried on by a qualified staff and must be according to the relevant locally applicable regulations.



NOTE :

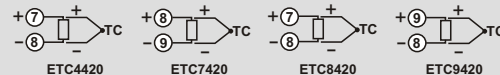


Holding screw 0.4-0.5Nm

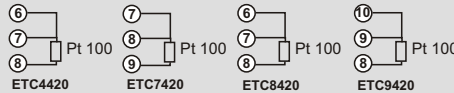
Equipment is protected throughout by DOUBLE INSULATION

SENSOR INPUT :

For J-K-T-S-R type thermocouple :
Use suitable compensation cables. Don't use jointed cables. Pay attention to the polarities of the thermocouple cables as shown in the figure right are connected to the.



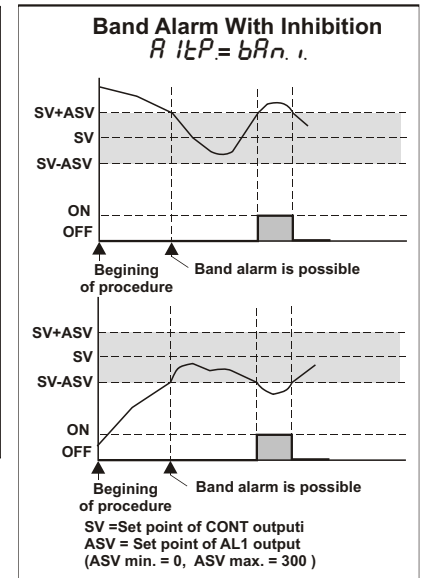
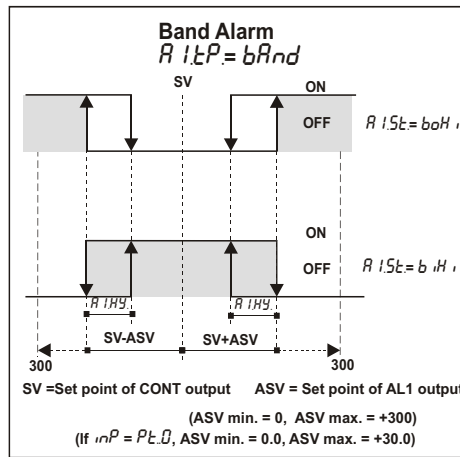
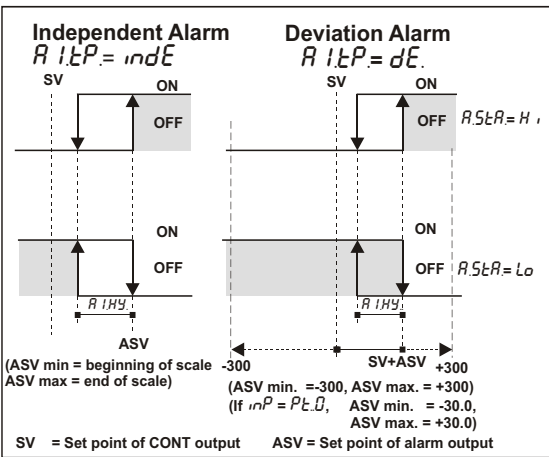
For resistance thermometer :
When 2 wired Pt 100 is used, terminals that are shown at the right of there must be short circuited for each product.



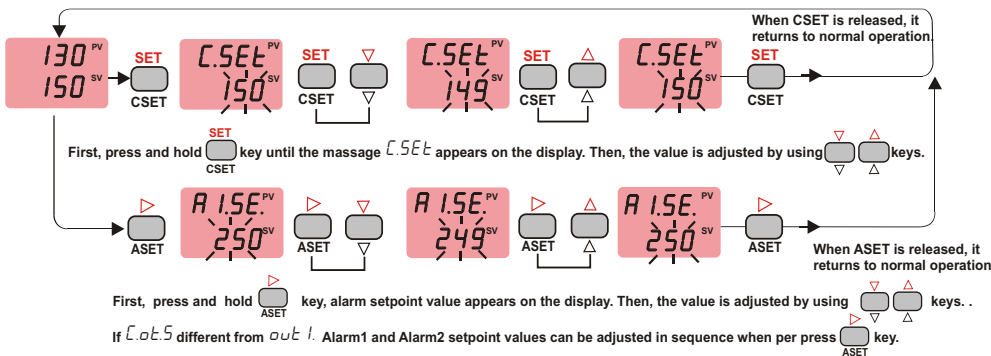
Logic output of the instrument is not electrically insulated from the internal circuits. Therefore, when using a grounding thermocouple, do not connect the logic output terminals to the ground.

- Note:
- 1) Mains supply cords shall meet the requirements of IEC 60227 or IEC 60245.
 - 2) In accordance with the safety regulation, the power supply switch shall bring the identification of the relevant instrument and it should be easily accessible by the operator.

ALARM1 AND ALARM2 OUTPUT TYPES

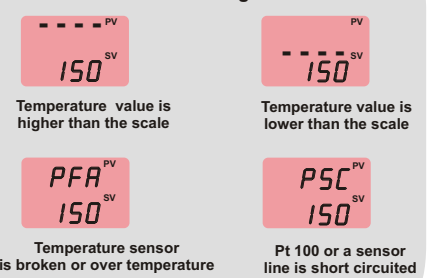


MODIFICATION OF CONTROL AND ALARM SET POINTS

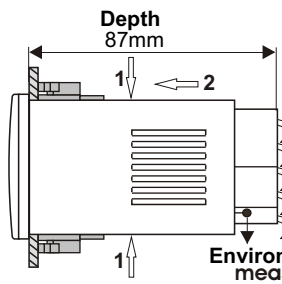
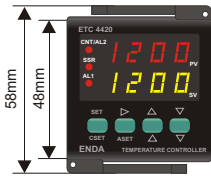


NOTE: The maximum of **C.5Et** is the value of **C.H.iL** parameter and the minimum of it is the value of **C.L.o.L** parameter.
If independent alarm is selected, **R.1.5E** and **R.2.5E** values can be adjusted between the limits of the full scale.
If deviation alarm is selected, **R.1.5E** and **R.2.5E** values can be adjusted between -300 and +300.
If band alarm is selected, **R.1.5E** and **R.2.5E** values can be adjusted between 0 and +300.

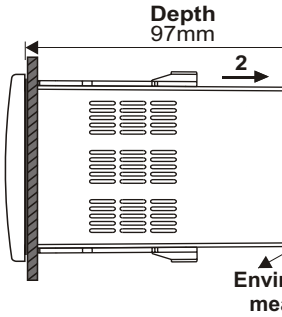
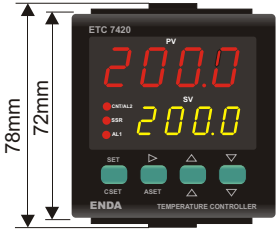
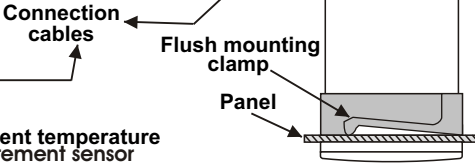
Error Messages



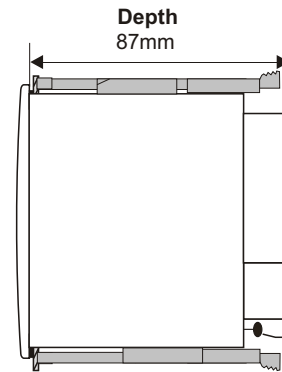
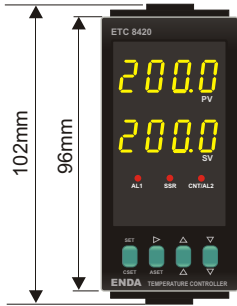
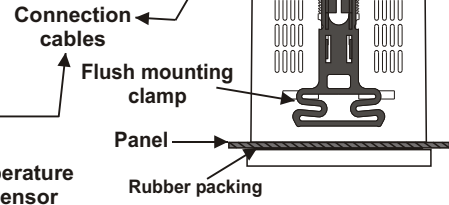
DIMENSIONS



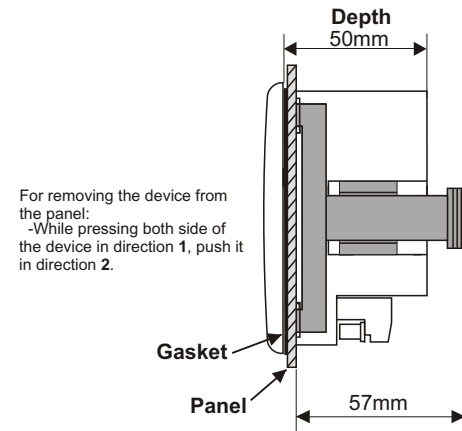
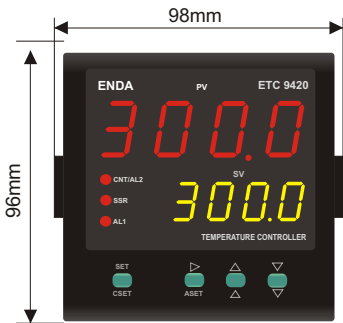
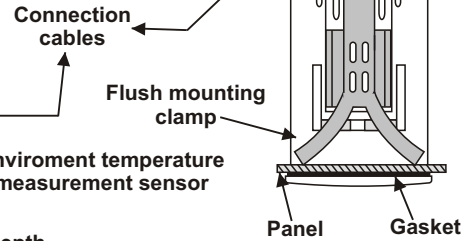
For removing the device from the panel:
- While pressing both side of the device in direction 1, push it in direction 2.



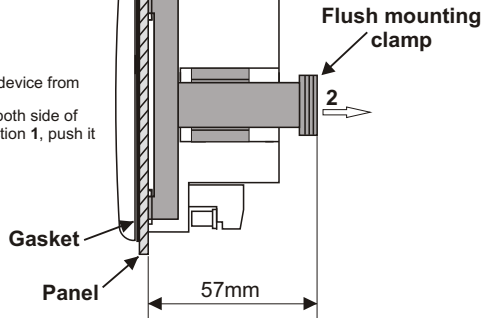
For removing the device from the panel:
-While pressing both side of the device in direction 1, push it in direction 2.



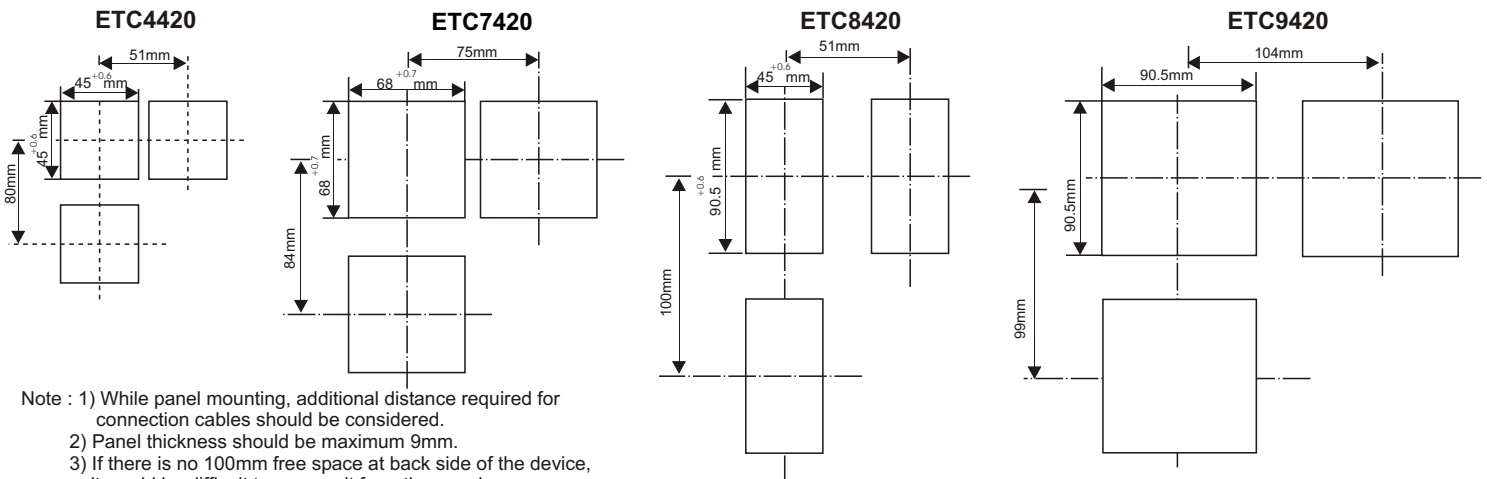
For removing the device from the panel:
-While pressing both side of the device in direction 1, push it in direction 2.



For removing the device from the panel:
-While pressing both side of the device in direction 1, push it in direction 2.



Panel cut-out:



- Note : 1) While panel mounting, additional distance required for connection cables should be considered.
2) Panel thickness should be maximum 9mm.
3) If there is no 100mm free space at back side of the device, it would be difficult to remove it from the panel.