MOUNTING IRDR SER BOARD

The IRDR SER card allows to connect the IRDR series (IRDRSE excluded) and IR96 controls to a serial network.
To install this card:

1) take off the display of the control (for IRDR) or the cover (for IR96)
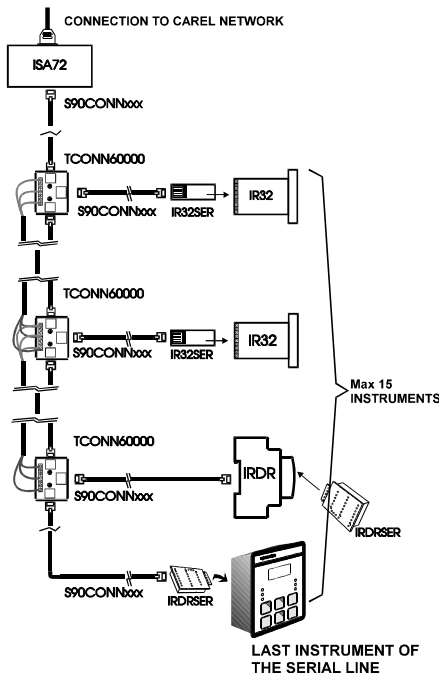2) insert the IRDR SER card as the drawing above;

OTHER COMPONENTS FOR THE SERIAL CONNECTION OF IR32 SERIES

ISA/72:
communication interface: it allows to connect IRDR and IR96 to CAREL's network (max. 15 instruments). It is possible to connect different type of instruments (IR32, CR32, CR72) at the same ISA72. For more information see EasyTel User Guide. (ref. 73 EM).

S90CONNxxx:
quick insertion cables
Available models:
- S90CONN000   L = 1.5m
- S90CONN001   L = 0.8m
- S90CONN002   L = 3.0m
- other versions upon request

TCONN60000

This card is necessary when connecting the electronic controls to the serial adapter ISA72. The serial card of such controller (code IR32SER000) presents on the rear side a 6 ways telephone like connector; to realize the communication serial link, it is necessary to connect the regulators as follows:

Connection between TCONN60000 can be done in two different ways:

- by 6 ways telephone cable, if the distance is less than 100 meters. CAREL manufactures telephone cable of standard length equal to 0.8m (code S90CONN002), 1.5m (code S90CONN000) and 3m (code S90CONN001).

- by AWG24 cable with 3 twisted pairs wires plus shield (3x2xAWG24), if the distance is greater than 100 meters (in any case last controller must be at most 1 km far from ISA72 card); the same type of connection is useful to link the controllers of CR72 series.

In this case the cable AWG24 wires must be connected to the screw terminals as follows:

Pin	Function	Meaning
0	Earth	Shield
1	- Signal	First
2	+ Signal	pair
3	Ground	Ground wire (third pair)
4	- Clock	Second
5	+ Clock	pair
6	Ground	Ground wire (third pair)

Pins 3 and 6 must be connected together to the ground wire of AWG24 cable. The metallic case of the derivator must be earthed.