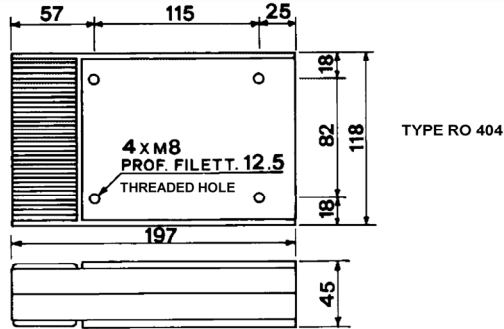
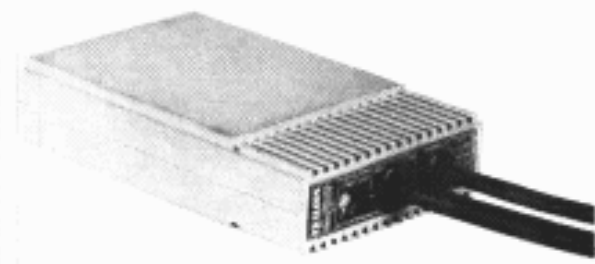
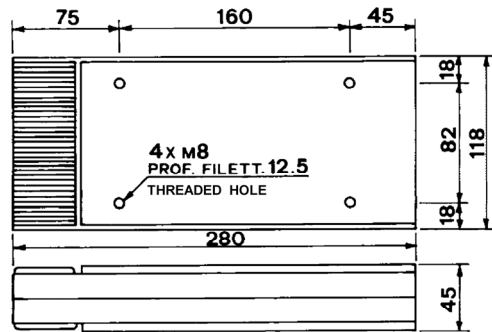


MOUNTING AND CONNECTING

INSTRUCTION AND USER MANUAL



TYPE RO 404



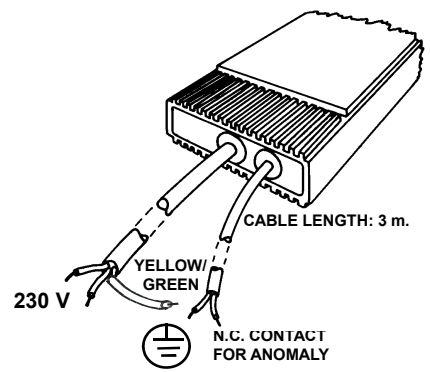
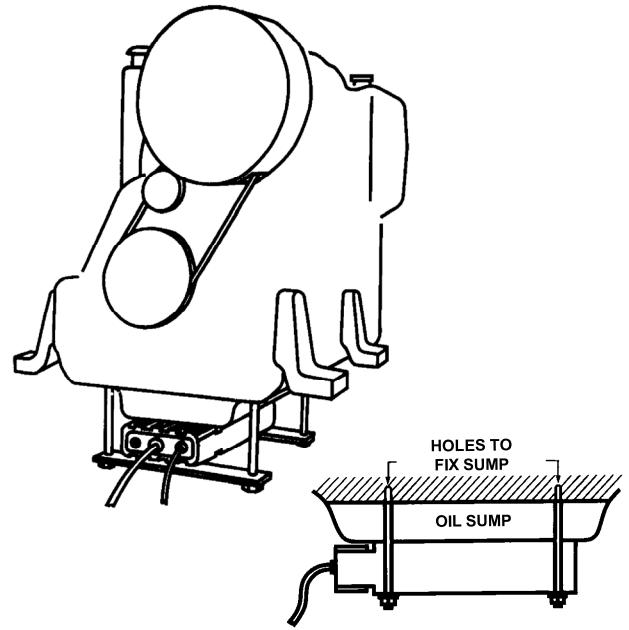
TYPE RO 804

OPERATION

The heater, once it has been mounted in contact with the engine oil sump, prevents the temperature of the oil from falling below a certain set value. This value can be adjusted using the special screw (working thermostat), which is always accessible on the front panel. An alarm contact is incorporated (anomaly thermostat), which is closed whenever the temperature of the heater falls below 40°C. All the electrical connections are rendered easy by the presence of two cables.

ORDERING INFORMATION

Type RO-404/00 230V 350W code 00706021
 Type RO-804/00 230V 700W code 00706022



The installer must mount the supply circuit overcurrent protection:

- 10A - 250V fuses or a 10A automatic switch

TECHNICAL CHARACTERISTICS

- Power supply	230 VAC (± 10%) 50÷60 Hz
- Insulation voltage	250 V
- Dielectric strength between terminals and contactor	2000 VAC x 1 minute
- Power absorbed	RO-404 350 W RO-804 700 W
- Service	continuous
- <u>Work thermostat</u>	non-adjustable
- disengaged heating	at 72°C ± 10%
- engaged heating	at 57°C ± 10%
- <u>Anomaly thermostat</u>	non-adjustable
- contact opens	44 at 50°C ± 4%
- contact closes	36 at 40°C ± 4%
- Max anomaly contact load	2A/250 VAC
- Silicone cable	H05SST-F with braiding
- Degree of protection	IP 54
- Temperature range	-20 ÷ +120°C
- Weight	RO-404 2750 g RO-804 3750 g

Used to keep the diesel engine lubricating oil cup heated.



Warning:
adhere closely to the following advice

NOTICES

- Take great care to connect correctly the conductors coming out of the equipment.
- Adhere closely to the enclosed installation indications.
- The equipment must be earthed using the relevant wire.
- Never try to open the equipment, as this will have a negative influence on its degree of protection.
- Only install by pressing it in contact with the engine oil cup, supplying it in other conditions will reduce its working life.

THIS HEATER IS NOT SUITABLE FOR OPERATING IN THE FOLLOWING CONDITIONS

- Where the environmental temperature is outside the limits indicated in the enclosed technical sheet.
- Where there is the risk of fire or explosions.
- Where the panel can receive strong vibrations or knocks.

ELECTROMAGNETIC COMPATIBILITY

This equipment functions correctly only if inserted in plants which conform with the CE marking standards; it meets the exemption requirements of the standard EN50082-2 but it cannot be excluded that malfunctions could occur in extreme cases due to particular situations.

The installer has the task of checking that the disturbance levels are within the requirements of the standards.

CONDUCTION AND MAINTENANCE

The following maintenance operations should be performed every week:

- check that the securing screws and bolts are tight.
- Check that the terminals to which the equipment is linked are tight.
- Check the condition of the supply cable sheath.

UNLESS WE MAKE A WRITTEN DECLARATION STATING THE CONTRARY, THIS PANEL IS NOT SUITABLE FOR USE AS A CRITICAL COMPONENT IN EQUIPMENT OR PLANTS RESPONSIBLE FOR KEEPING PERSONS OR OTHER LIVING BEINGS ALIVE

Any use which differs from that which is indicated in this instruction and user manual must be authorized by the manufacturer.

YOUR ELECTRICAL TECHNICIAN CAN ASK US ANYTHING ABOUT THIS OIL HEATERS BY TELEPHONING ONE OF OUR TECHNICIANS