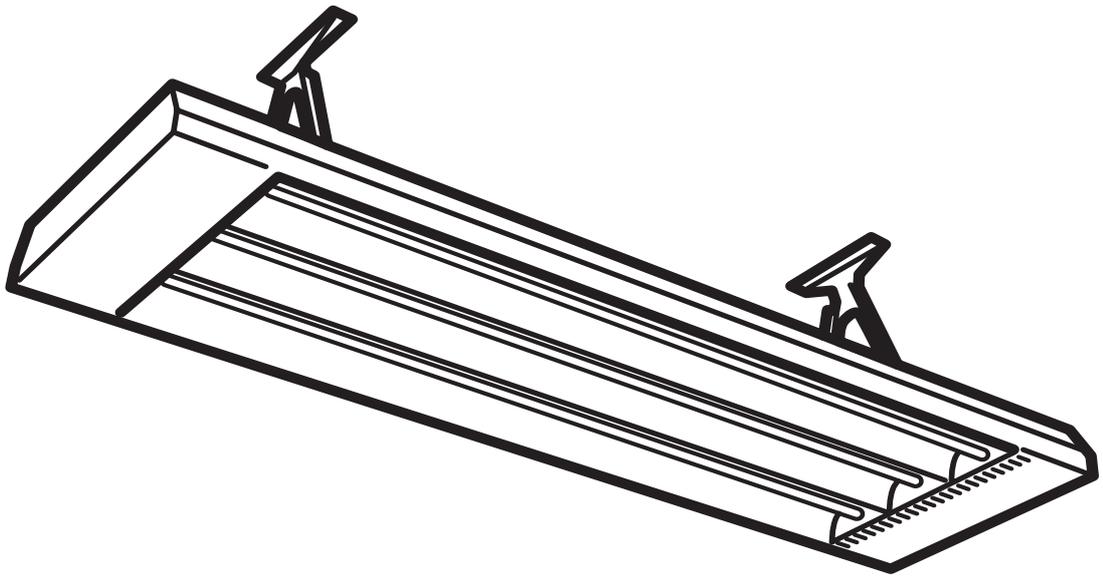


FRICO

IR3000

IR4500

IR6000



SE ... 6

FR ... 10

PL ... 14

NO ... 7

DE ... 11

IT ... 15

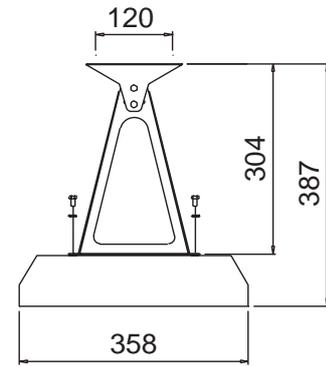
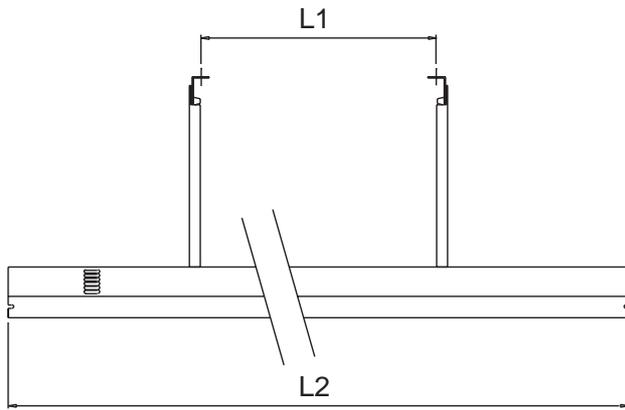
FI ... 8

NL ... 12

GB ... 9

RU ... 13

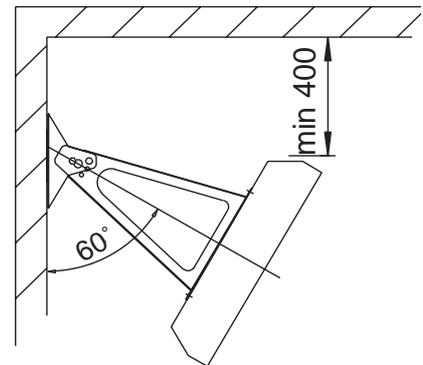
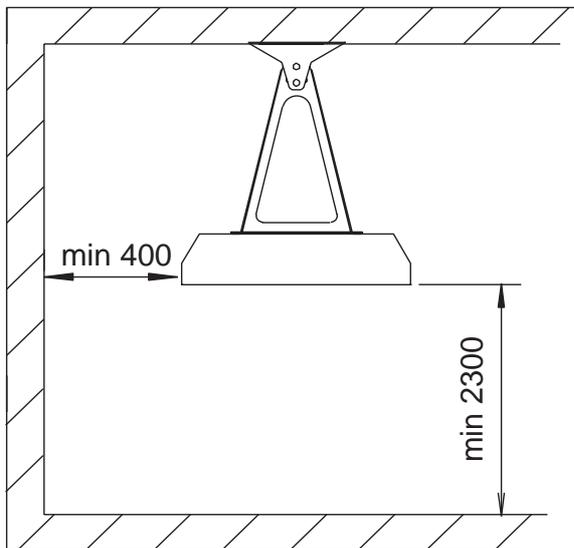
IR3000, IR4500, IR6000



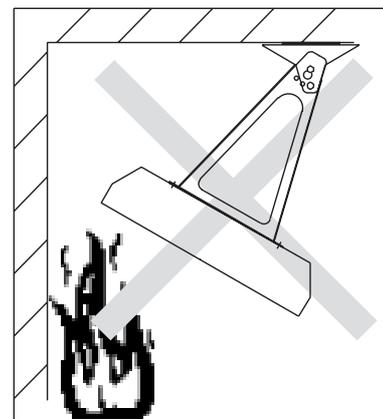
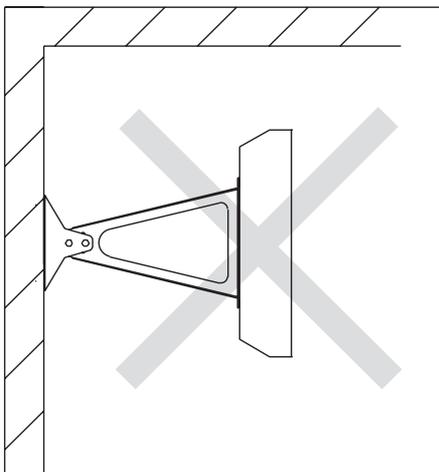
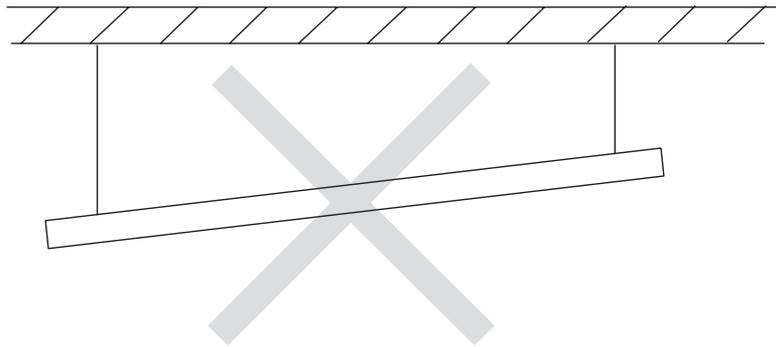
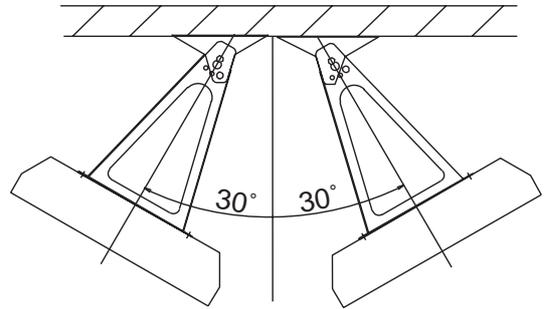
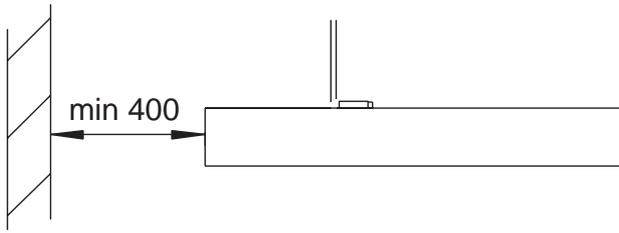
IR - 3000 L1 = 600 L2 = 1125

IR - 4500 L1 = 900 L2 = 1500

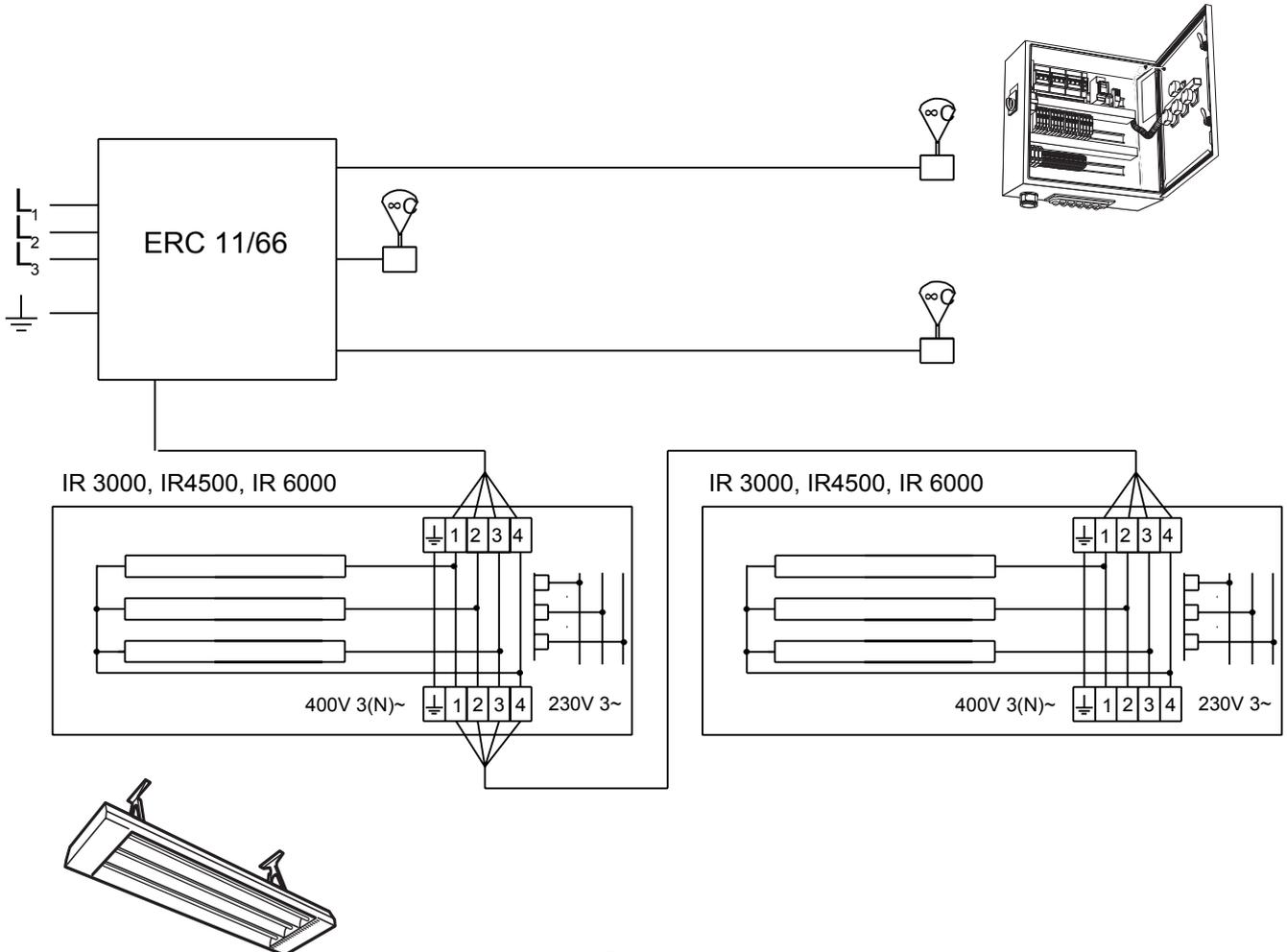
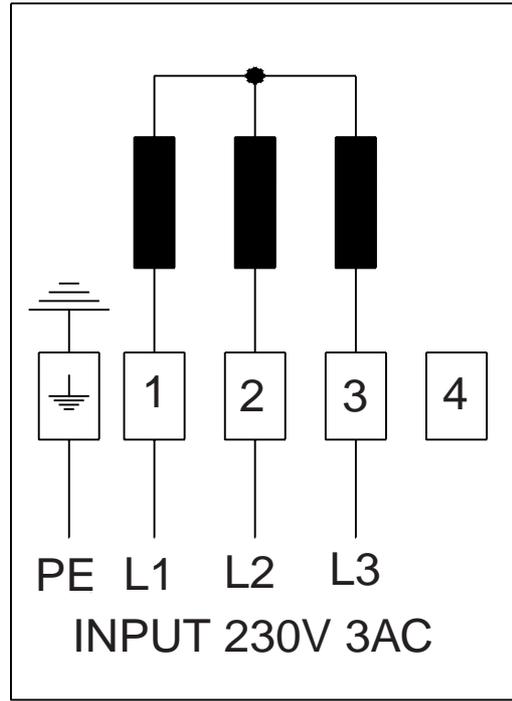
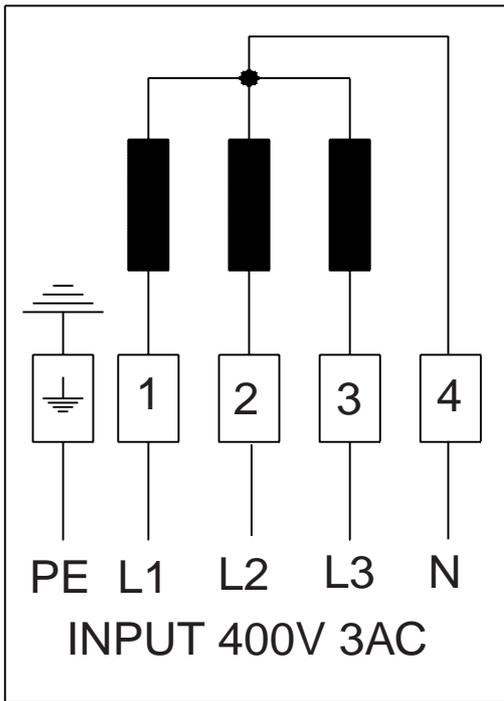
IR - 6000 L1 = 1200 L2 = 1875



IR3000, IR4500, IR6000

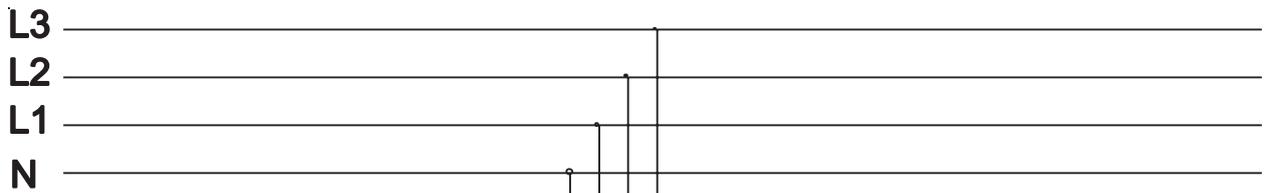


IR3000, IR4500, IR6000

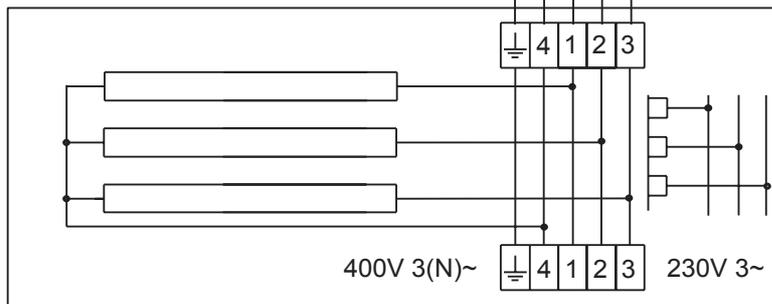
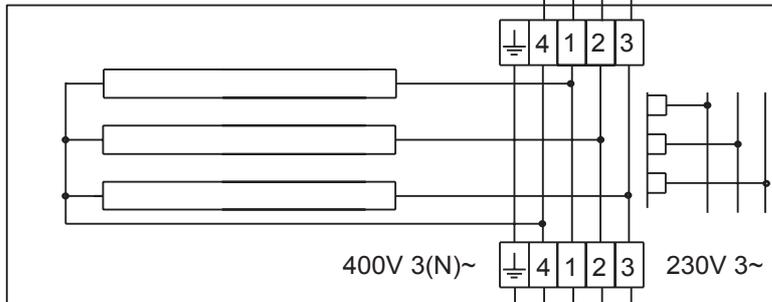
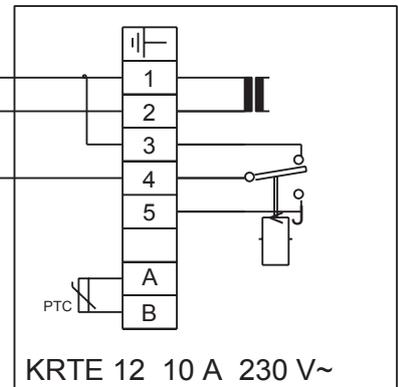


IR3000, IR4500, IR6000

"1+1+1"



3/3	X	X	X
2/3	X	X	
1/3	X		
0			
	1	2	3



Range of applications

The infra-red heater is used for heating storerooms, sports halls, shopping malls or other areas where it is not possible to use traditional heating systems to achieve a suitable level of comfort.

Action

The infra-red heater heats up rapidly and provides additional heating input immediately to the area.

Location

For point-heating, at least two infra-red heaters are placed to ensure that heat is provided both in front of and behind people involved. The heaters must be mounted at least 2 m above people's heads.

Installation

Suspension brackets can be fitted directly to the ceiling or wall. The mountings allow the radiation to be varied 30° in any direction. Note the permitted installation arrangements and minimum distances shown on page 2. In all installations the elements must be horizontal. It is also possible to suspend the heaters from cords.

Electrical Installation

The apparatus must be permanently connected. The installation must be carried out by a qualified technician, and the appropriate regulations must be followed. The connection box contains terminal blocks for connecting cables with areas up to 16mm². This makes it possible to connect several heaters in parallel.

For point-heating, a suitable arrangement is to take the connections through a 3-stage switch, so that it is possible to switch on the elements manually 1 + 1 + 1. If necessary, a contactor with thermostat and timer can prevent the temperature becoming too high, or the heat being left on for longer than necessary. See page 5.

When several heaters are being used to heat the whole area, an ERC central regulator can be used. See page 4

Safety

- *The surfaces of the apparatus become hot during use.*
- *Ensure that there is no flammable material in direct contact with, or under the heaters where it could ignite.*
- *The apparatus must not be covered. Overheating can cause a fire-hazard.*
- *The apparatus must not be fitted immediately below permanent electrical wall sockets.*

Maintenance

When an infra-red installation has not been in use for some time, the elements should be "dried". Switch on the heaters for 5-10 minutes and then allow them to cool. The equipment will then be ready for use again.

If the reflectors are dirty, they can be blast-cleaned using compressed air or wiped clean with a soft cloth.

Safety cut-out

If the installation is protected by means of a safety cut-out, which trips when the appliance is connected, this may be due to moisture in the heating element. When an appliance containing a heater element, has not been used for a long period and is stored in a damp environment, moisture can enter the element. This should not be seen as a fault, but is simply rectified by connecting the appliance to the mains supply via a socket without a safety cut-out so that the moisture can be driven out of the element. The drying time can vary from a few hours to a few days. As a preventive measure the infra-red heater should occasionally be run for a short time when the heater is not being used for an extended period of time.

Type		IR3000	IR3023	IR 4500	IR4523	IR 6000	IR6023
Power	W	3000	3000	4500	4500	6000	6000
Power stages	kW	1 / 2 / 3	1 / 2 / 3	1.5 / 3 / 4.5	1.5 / 3 / 4.5	2 / 4 / 6	2 / 4 / 6
Voltage	V	400 V 3(N)~	230V 3~	400 V 3(N)~	230V 3~	400 V 3(N)~	230V 3~
Length	mm	1125	1125	1500	1500	1875	1875
Weight	kg	9,0	9,0	11,1	11,1	13,2	13,2
Protection class		IP44	IP44	IP44	IP44	IP44	IP44

**Tillverkardeklaration/
EU-försäkran om
Överensstämmelse**



Vi

**Frico AB
Box 102
S-433 22 Partille**

Intyggar härmed att följande produkter:

Rumsvärmare: Infraröd radiator
Typ: IR 3000, IR 4500, IR 6000

Uppfyller kraven enligt följande direktiv:

**EC Electromagnetic Compatibility (EMC)
Directive 89/336 /EEC & 92/31 EEC
EC lågspänningsdirektivet (LVD) 73/23/
EEC**

Och är tillverkad enligt följande standarder:

**EMC: EN 55 014: 1993
EN 60 555-2/3: 1991
EN 55 104**

**LVD: EN 60 335-1: 1988 incl. Am. 2,
5, 6, 51-54
EN 60 335-2-30: 1992 incl. Am.
51**

Partille , 29 Maj, 1998

**Mats Careborg
Teknisk Chef**

Declaration of Conformity



We

**Frico AB
Box 102
S-433 22 Partille**

under own responsibility hereby declare that
the following product(s)

Room heaters: Infrared radiators
Type: IR 3000, IR 4500, IR 6000

which is(are) covered by this declaration of
conformity comply with the

**EC Electromagnetic Compatibility (EMC)
Directive 89/336 /EEC & 92/31 EEC
EC Low Voltage Directive (LVD) 73/23/EEC**

and is(are) manufactured in accordance with
the following stated harmonised standard(s)
or other normative document(s).

**EMC: EN 55 014: 1993
EN 60 555-2/3: 1991
EN 55 104**

**LVD: EN 60 335-1: 1988 incl. Am. 2,
5, 6, 51-54
EN 60 335-2-30: 1992 incl. Am.
51**

Partille , 29 May, 1998

**Mats Careborg
Technical Manager**

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