

## Heater Option

INTRA is specified for temperatures as low as  $-30^{\circ}\text{C}$ . If you expect temperatures below this limit, you should add the heater option to INTRA. It extends INTRAs range of operation down to  $-46^{\circ}\text{C}$ .

The heater option consists of a circuit board which installs in the drawer of INTRAs controller and 4 heater elements which are attached to the parts that hold the bearings of INTRAs axis. The temperature switch is located on the circuit board of the heater option.

### Technical Data

input:	24 VAC nom. Note: It is feasible to operate the heater option also with 24 VDC.
heater elements:	4 power transistors, operated in constant current mode, 1.8 A each.
absolute maximum rating:	45 W @ $20^{\circ}\text{C}$ , 59 W @ $0^{\circ}\text{C}$ (each heater element)
controller:	on/off controller $T_{\text{on}} = -15^{\circ}\text{C} (\pm 5^{\circ}\text{C})$ , $T_{\text{off}} = T_{\text{on}} + 5^{\circ}\text{C}$ .
total heater power:	144 W when powered with 24 VAC.

*Ordering Information* parts number is TO01

The option comes with installation instructions. If ordered together with an INTRA, we will of course install it for you.

