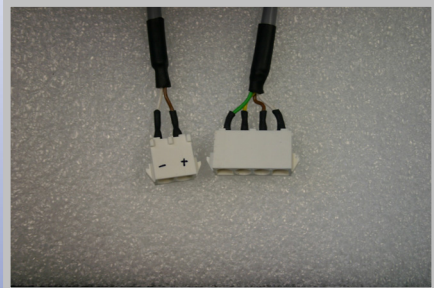
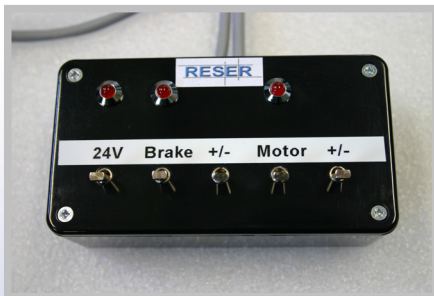


Maintenance Control Box



During maintenance or operation of the system, situations can occur in which an outside power supply has to be used to control the different movements in the system. RESER designed a control box which can be used to control the following modules of the furnace system:

- Reactor elevator
- Robot Z2-axis

An example of a situation when an external power supply has to be used is when the boat rotation assembly fails and the boat is in the reactor. Due to various safety interlocks, only usage of external control can override the system safeties. The current situation is that the 24V power supply must be connected directly to the motor and brake. As the user needs all his attention for connecting the supply correctly to the system, unsafe situations can occur due to lack of attention. With the control box control of the system becomes simple and straightforward, so that the user can focus on safe working procedures.

The RESER control box is placed in between an 24V power supply and the elevator system (or the robot Z2-axis motor). The control box can operate the elevator motor and brake and allows you to operate the system simple and safely. Also switches to change the polarity of the system are implemented. The connectors of the control box are made fit for connection to the furnace system.

With the unit, the customer will receive a procedure which describes the purpose of the unit, how it should be operated and which pre-cautions have to be taken.

If required, RESER can deliver a compatible 24V power supply with the unit to provide the user with a complete maintenance kit.

NOTE: The control box can be used by trained personnel only.

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