

Control unit



The control unit, type 744, is used to control all Wagner electric magnets and electropermanent magnets in connection with the pole-reversal control units. They are available both with and without 6, 8 or 16-step holding force switch.

Depending on the version, the control units are used with clamping magnets, holding magnets and lifting magnets.

Standard version:

- Illuminated pushbutton in stainless steel mounting
- Aluminum housing with slip-resistant rear side
- Housing dimensions (LxWxH): 180x103x37 mm
- Protection class IP 65
- 5 m connecting cable

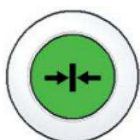
Options:

- Additional illuminated pushbutton and selector switch for special functions
- Connecting cable length: 10 / 15 / 20 m
- Mounting base
- Wall fastening
- Swivelable mounting

Operating elements:

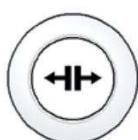
Clamp

When actuating the button, the workpiece is clamped and can be machined. As long as the magnet is switched on, the button glows green. The holding force of the magnet corresponds to the holding force level selected with the selector switch.



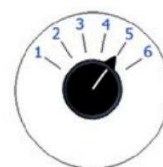
Pole reversal

When actuating the button, pole reversal is started to demagnetize the workpiece. As long as the polarity reversal process is ongoing, the button glows green. As soon as the display has gone off, the workpiece can be removed from the magnet.



Selector switch clamping force

Pre-selection of the holding force via coding switch. The switch can be supplied in 6, 8 or 16 levels (largest number for holding force level = 100% holding force).



Design examples:



To control clamping and holding magnets

- 1 illuminated pushbutton for "Clamping the magnet"
- 1 illuminated pushbutton for "Magnet reversal"
- 1 coding switch with 16 steps for regulating the holding force
- Indicator lamp for indicating error and warning messages
- Housing dimensions (LxWxH in mm): 180x103x37
- For electronic pole-reversal control unit
- Aluminum housing with protection class IP 65



To control loading lifting magnets

- 1 illuminated pushbutton for "Clamping the magnet"
- 1 illuminated pushbutton for "Clamping with reduced holding force" (< 100 %)
- 1 illuminated pushbutton for "Magnet reversal" (double actuation EN13155)
- 1 coding switch with 6 steps for regulating the holding force
- Indicator lamp for indicating error and warning messages
- Housing dimensions (LxWxH in mm): 180x103x37
- For electronic pole-reversal control unit
- Aluminum housing with protection class IP65

Our control unit 744 can be expanded in a modular manner



Fastening



Mounting base



Wall fastening
(Option Magnetic holder)



Swivelable mounting



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