# RE 360 - Easy synergic

RE360 is a user interface for wire feeding electronic boards. You can select one working mode among two:

- Normal: wire speed is completely set by the user
- Synergic: wire speed is set by a selector, according to wire material, gas and wire diameter; the user can adjust it within a 10% range.

You can select among 4Times, 2Times, Spot and Gas Test working modes; in the spot mode a timer is available to the user.
The program can be fixed inside the board or stored in a user-changeable EEPROM which is programmable using a separate board and a specific Windows or Linux based software.
RE360 can be connected to standard RE wire feeders (RE174, RE 274) as well as to other ones.

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# Connection description

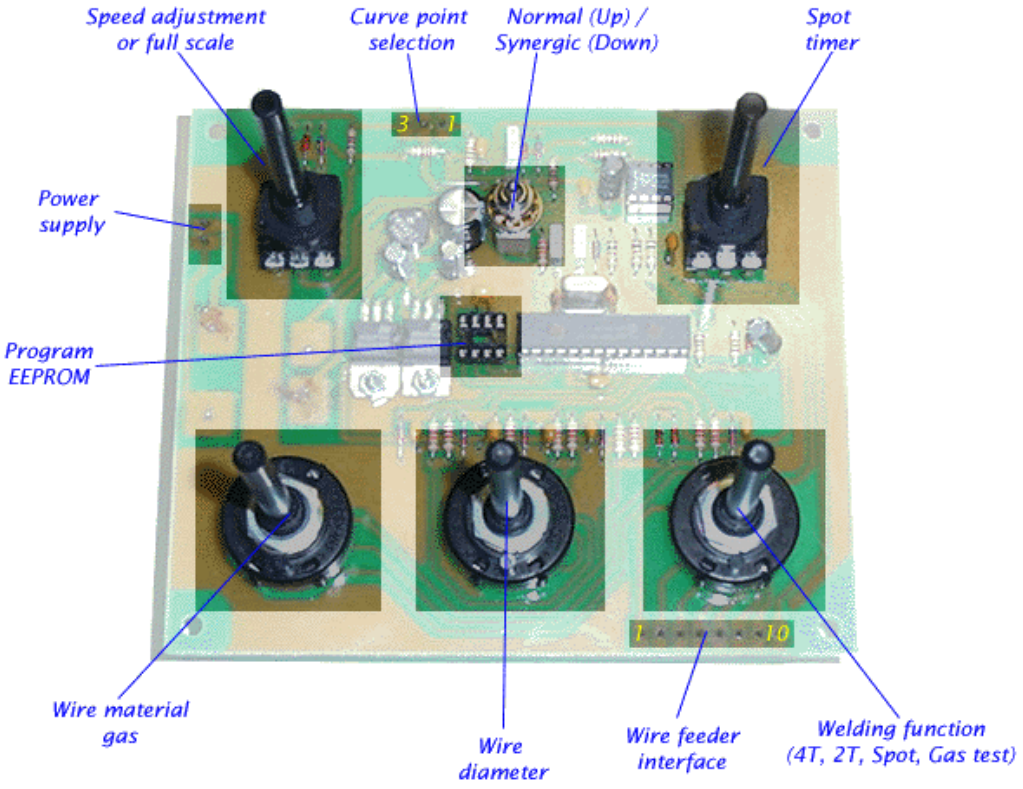


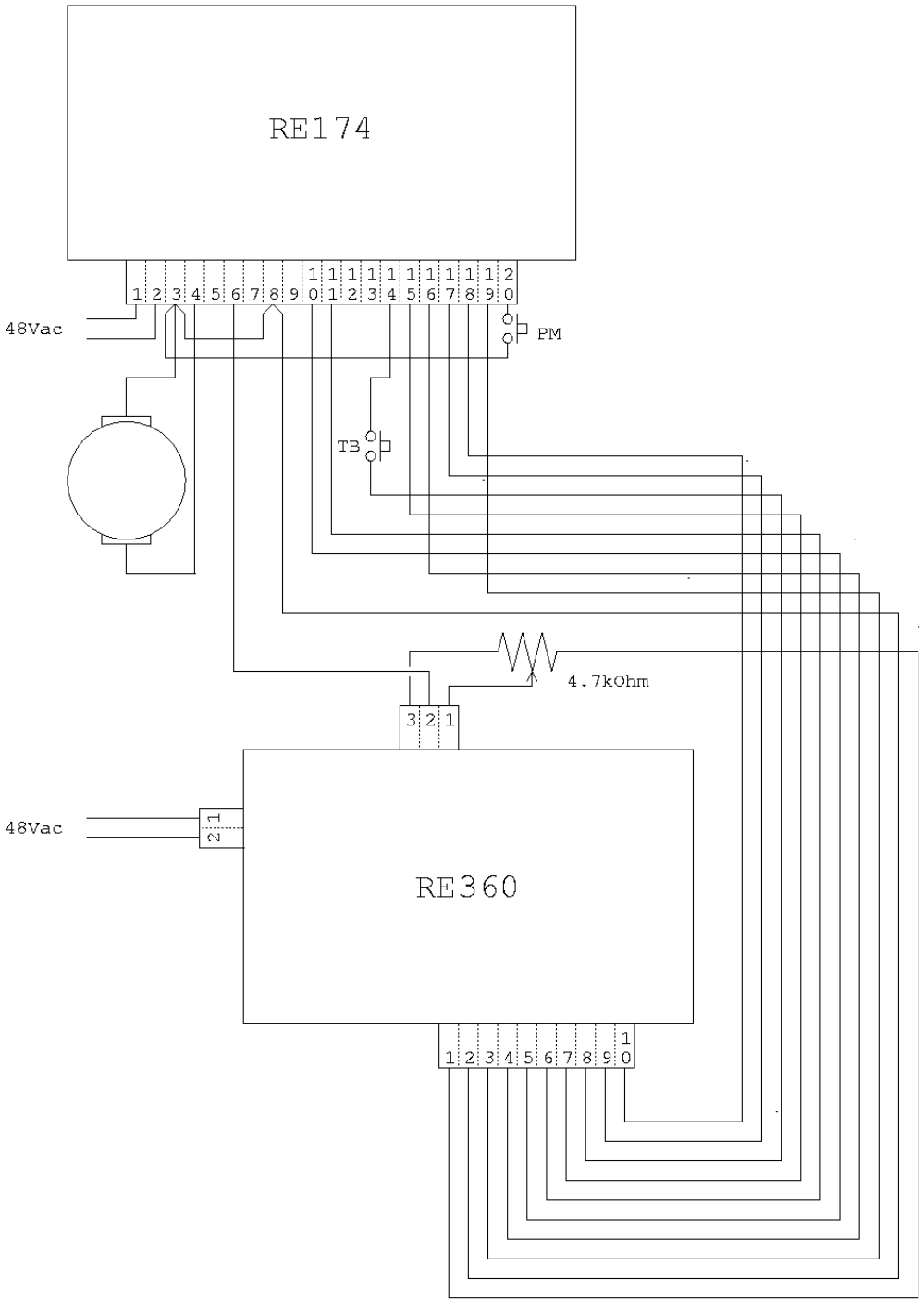

**Fig. 1**

| *Connector* | *Pin* | *Direction* | *Meaning* |
|---|---|---|---|
| Wire feeder interface | 1 | GND | 0V reference for curve point selection potentiometer |
| | 2 | GND | 0V reference for wire feeder board (3, 8 of RE174) |
| | 3 | Input | Supply for spot timer (19 of RE174) |
| | 4 | Input | (16 of RE174) |
| | 5 | Input | Gas test (10 of RE 174) |
| | 6 | Input | Torch button out for gas test (11 of RE174) |
| | 7 | Output | Torch button out for 4T (15 of RE174) |
| | 8 | Input | Torch button in |
| | 9 | Output | Torch button out for 2T and Spot (17 of RE174) |
| | 10 | Output | Spot time (18 of RE174) |

| | | | |
|---|---|---|---|
| Curve point selection | 1 | Output | 10V for 4.7k potentiometer for curve point selection |
| | 2 | Output | Speed reference (6 of RE174) |
| | 3 | Input | Potentiometer wiper |
| Power supply | 1, 2 | Supply | Power supply, 48 Vac |

# Connection example

The following picture shows how to connect RE360 to a wire feeder (RE174).

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