MKII Servo-relay p.c.b.

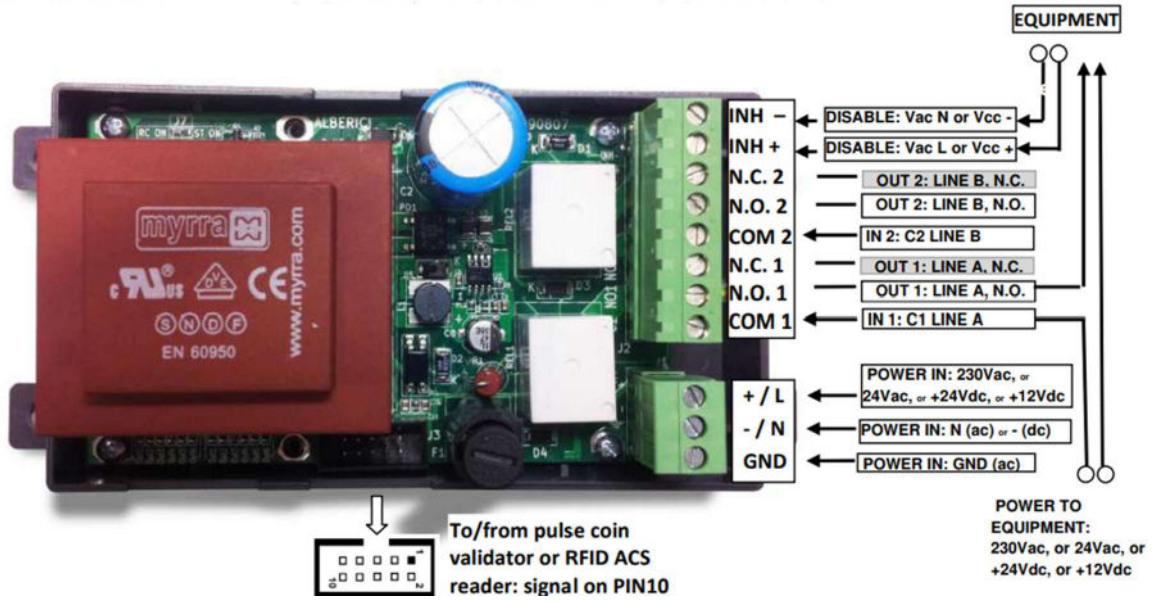
Connection Instructions

Rev. 1.00

This electronic p.c. board allows to start pay-for-time equipments operation when it receives TTL credit signal from coin acceptor or ACS reader of RFID cards/keys (programmed as multi-pulse accumulators or timers). The TTL signal activates an 8 Amp relay through which voltage or clean contact is provided to the equipment. Various voltage presettings are available (230Vac, or 24Vac, or 24Vdc, or 12Vdc).
NOTICE: when matched to the ActiveOne board, it controls two independent services through 2 relays.

Available options for power inputs (must be specified when placing order) are :
230Va.c., 24Va.c./c.c., or 12Vd.c. . Desired voltage must be specified when placing the order.

Start the equipment by relay transmission of power supply



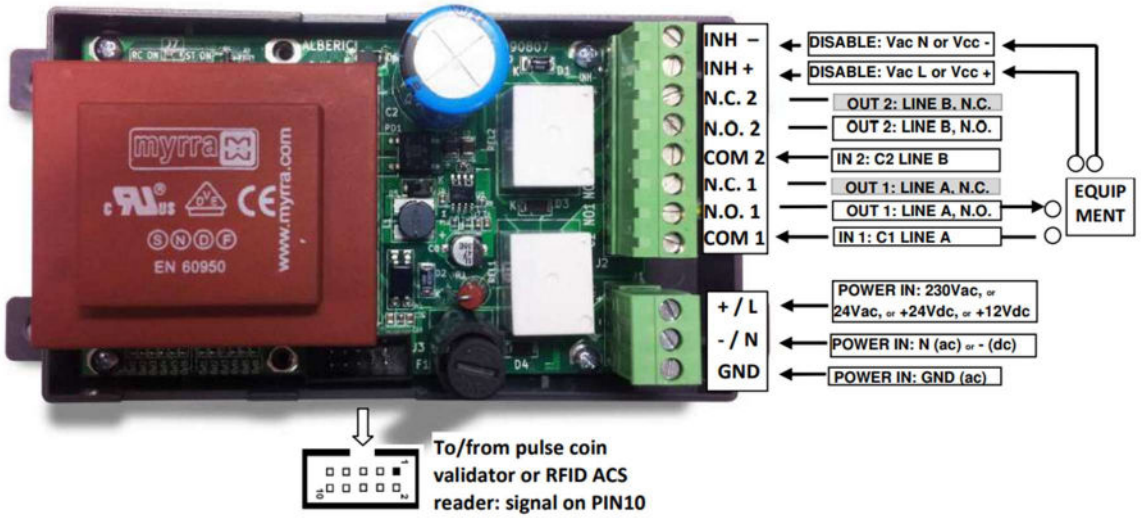
J3 socket: connect the coin mechanism (or the ACS RFID Card/Key reader) to the Servo-relay p.c. board using a 10-pole flat cable.

J1 clamps strip: provide power (according to rating plate: PHASE 230V ac, or for 24V ac, or + 24V dc, or + 12V dc) between clamp 3 (+V or PHASE) and clamp 2 (0V or NEUTRAL). Always connect the earth conductor to clamp 1 (GND). Connect the same clamp to the metal case frame through a lug-end cable.

J2 clamps strip: connect one end of the A service line power cable directly to the equipment (e.g. Electric motor, solenoid valve, etc.), and the other end to clamp 1 (COM 1). Connect the power supply switching cable (start) between clamp 2 (N.O. 1) and the equipment.
If the equipment is powered by direct current (+24 V or +12 V), pay utmost attention to the polarities!

Activation of a second (B) **service line**:
J3 socket: connect the Active One p.c.b. by a 10p flat cable.
J1 clamps strip: as above
J2 clamps strip: connect one end of the B service line power cable directly to the equipment (e.g. Electric motor, solenoid valve, etc.), and the other end to clamp 4 (COM 2). Connect the power supply switching cable (start) between clamp 5 (N.O. 2) and the equipment.
If the equipment is powered by direct current (+24 V or +12 V, pay utmost attention to the polarities!

Connections to start the equipment by "clean switch" activation:



J3 socket: connect the coin mechanism (or the ACS RFID Card/Key reader) to the Servo-relay p.c. board using a 10-pole flat cable.

J1 clamps strip: provide power (according to rating plate: PHASE 230V ac, or for 24V ac, or + 24V dc, or + 12V dc) between clamp 3 (+V or PHASE) and clamp 2 (0V or NEUTRAL). Always connect the earth conductor to clamp 1 (GND). Connect the same clamp to the metal case frame through a lug-end cable.

J2 clamps strip: connect one of the two wires of the equipment clean switching cable to clamp 1 (COM 1). Connect the other wire between clamp 2 (N.O. 1) and the equipment, if "normally open" clean contact is needed. Use clamp 3 (N.C. 1) instead, if "normally closed" clean contact is required.
If the equipment is powered by direct current (+24 V or +12 V), pay utmost attention to the polarities!

Activation of a second (B) **service line:**

J3 socket: connect the Active One p.c.b. by a 10p flat cable.

J1 clamps strip: as above

J2 clamps strip: connect one of the two wires of the B equipment clean switching cable to clamp 4 (COM 2). Connect the other wire of the clean contact switching cable between clamp 5 (N.O. 2) and the equipment, if "normally open" clean contact is needed. Use clamp 6 (N.C. 2) instead, if "normally closed" clean contact is required.
If the equipment is powered by direct current (+24 V or +12 V), pay utmost attention to the polarities!

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