



Wiring Booth

Nvis 7059IF



* Image is for illustrative purpose and subject to change

Key Features:

- Custom built as shown in Figure and drawings using it as reference only.
- Metal frame, powder coated as per approximate dimensions given.
- The table top is of thick wooden plank with white / light grey 1mm thick laminate sheet.
- Two Bottom cabinet with hinged doors (one on each side of the table)
- Large Top frame (as in figure) usable from both sides.
- Four training panels of suitable size (see figure) with;
- 8 pcs retaining clips per trainer panel
- 2 pcs power socket per trainer panel
- 2 set MCB, RCCB power box: 1 set
- Top cover of suitable size for mounting illuminating lights.

Consists of the following minimum components / modules/ accessories:

Power Module

- 1x printed label (must be engraved) "Power"
- 1x 3-pin power cable (220-240V AC)
- 1x terminal block to connect in-coming wires
- 1x Miniature Circuit breaker (100-240V AC) 6A
- 1x RCCB 32A 30mA
- 1x DC power supply from 220-240V AC to 24V DC min 2.2A
- 1x resettable Fuse with holder (24V, 2A)
- 1x 35-mm width DIN Mounting Rail (length 130mm)
- 3 x 3-way Terminal block mounted on the 35-mm DIN Rail
- 1 x Transparent plastic layer to cover the area which include 3-pin power socket, part of circuit breaker, voltage converter and part of terminal blocks as indicated by the black box in Annex B to avoid physical contact from users
- Complete and neat wiring connection among the 3-pin socket, circuit breaker, voltage converter, fuse and terminal blocks



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- Printed Labels on terminal block as below:
 - “Vcc” for 24 V supply
 - “GND” for Ground.
- Use red wire for power and blue wire for ground.

Input Module

Follow the design, dimension and component layout (including the position and orientation)

- 1x printed label (must be engraved) “Input”
- 3 momentary buttons - Green, Red & Black
- 1 E-Stop switch
- 1 x aluminium piece (thickness at least 2mm) for mounting of the above switches
- 1x 35-mm width DIN Mounting Rail (length 120mm)
- 4 x 3-way Terminal Blocks mounted on the 35-mm DIN Rail
- Printed labels on terminal block for each terminal. I.e. from A to L
- Complete and neat wiring connection in such the way that:
 - III. A connected to E-Stop (C) – Blue wire
 - IV. B connected to E-Stop (NC) – Yellow wire

Output Module

Follow the design, dimension and component layout (including the position and orientation)

- 1x printed label (must be engraved) “Output”
- 3x 24V-lights - Green, Yellow & Red
- 1x Buzzer (24V)
- 1 x aluminium piece (thickness at least 2mm) for mounting of the lights and buzzer
- 1x 35-mm width DIN Mounting Rail (length 120mm)
- 4 x 3-way Terminal Blocks to be mounted on the 35-mm DIN Rail
- Printed labels on terminal block for each terminal. I.e. from A to L
- Complete and neat wiring connection in such the way that:
 - V. A & B connected to Green Light – Blue & Red wire
 - VI. D & E connected to Yellow Light – Blue & Red wire
 - VII. G & H connected to Red Light – Blue & Red wire
 - VIII. J & K connected to Buzzer – Blue & Red wire



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Control Module

Follow the design, dimension and component layout (including the position and orientation)

- 1x printed label (must be engraved) "Control"
- 2x 35-mm width DIN Mounting Rail (length 270mm)
- 4 x PYF14A-E Socket w/ pin configuration as in the picture. The socket can be mounted onto the 35-mm DIN Rail
- 2 x relay (4 poles, 5A, 24VDC) w/ pin configuration as in the picture. It can be mounted onto the above PYF14A-E Socket
- 2 x timer (4 poles, 5A, 24VDC, 60 sec) w/ pin configuration as in the picture. It can be mounted onto the above PYF14A-E Socket
- 9 x 3-way Terminal Blocks mounted on the 35-mm DIN Rail
- Printed labels on terminal block for each terminal. I.e. from A to Z

Motor & Fan Module

Follow the design, dimension and component layout (including the position and orientation)

- 1x printed label (must be engraved) "Motor & Fan"
- 1x 35-mm width DIN Mounting Rail (length 120mm)
- 1 DC motor (24VDC) with reduction gear mounted to drive a wheel as shown in the picture. The output shaft runs at 120 to 200 rpm on 24VDC.
- 1 DC Fan (24VDC)
- 3 x 3-way Ferrule Terminal Blocks mounted on the 35-mm DIN Rail for motor and fan.
- Printed labels on terminal block for each terminal. I.e. from A to I
- The wiring follows the specified colour code.

Accessories: Complete set of accessories required for the full feature functioning of the Wiring board for the intended purpose of Training.