

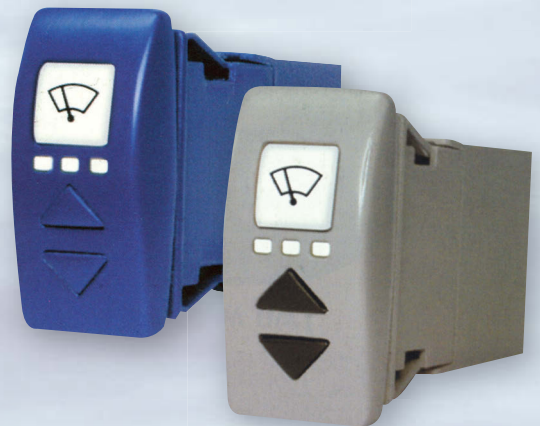
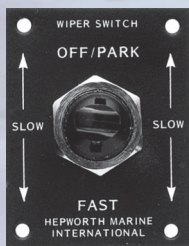
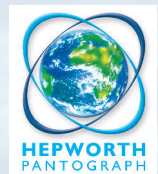


HEPWORTH MARINE
INTERNATIONAL

Wiper Control Options for 20 / 30 / 50 / 80 / 110Nm

See electrical information and wiring details on the back of this leaflet for for:

- Non-intermittent Rotary Switch
- Toggle Switch and Plate
- Multi Speed Control Switch
- Multi Function Wiper Switch
- CT41 / 42 Carling Switch

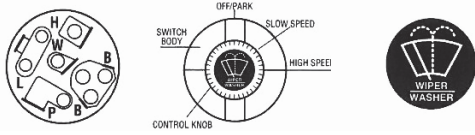


... WIPER SYSTEMS FOR ALL SIZES OF VESSEL





NON-INTERMITTENT ROTARY SWITCH
12v : 24v 10094800

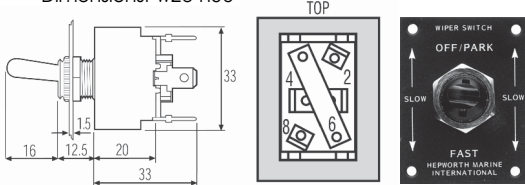


Wiring the Motor Unit to a Rotary Switch

Motor	Switch
31b (self park reversal feed)	position P
53 (low speed)	position L
53a (self park)	position B and positive DC ship's supply
53b (high speed)	position H
31 (earth connection)	the negative ship's supply
Washer Pump	position W

TOGGLE SWITCH & PLATE
12v : 24v 90041400

Dimensions: w20 h38

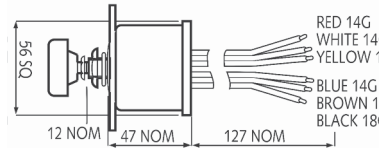


Wiring the Motor Unit to a Toggle Switch

Motor	Switch
31b (self park reversal feed)	position 8
53 (low speed)	position 4
53a (self park)	position 6 and positive DC ship's supply
53b (high speed)	position 2
31 (earth connection)	the negative ship's supply

MULTI SPEED CONTROL SWITCH & PLATE 12v: 90041000 24v: 90041100

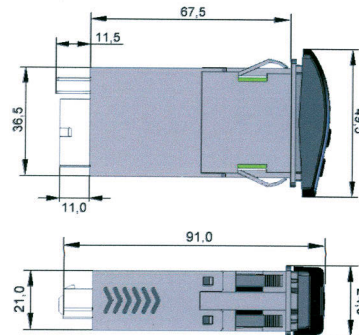
Dimensions: w83 h66



Wiring the Motor Unit to a Multi Speed Control Switch

Motor	Switch
31b (self park reversal feed)	to the BLUE wire
53 (low speed)	to the YELLOW wire
53a (self park)	both RED wires and positive DC ship's supply
53b (high speed)	to the WHITE wire
31 (earth connection)	to the BLACK wire
Washer Pump	to BROWN wire

CT41/42 DIMENSIONS



CT41/42 TECHNICAL SPECIFICATIONS

	CT41	CT42
Voltage supply	10v to 30v DC	10V to 30V DC
Internal fuses	4 Amps PTC for each motor	4 Amps PTC for each motor
Stand-by current	Less than 20 mA	Less than 20 mA
Protection	Polarity inversion	Polarity inversion
Motors – output currents	Single or double speed – 4 Amps max.	Single or double speed – each motor 4 Amps max.
Input	1 parking switch (open in park position) Dimmer (connect to + supply if not used)	2 parking switch (open in park position) Dimmer (connect to + supply if not used)
Output	1 slow speed – SLOW 1 high speed – FAST (if 2 speed motors) 1 wash pump (positive pole)	2 slow speed – L and R SLOW 2 high speed – L and R FAST (if 2 speed motors) 1 wash pump (positive pole)
Functions	3 intermittent settings 2 continuous speeds, slow and high speed	3 intermittent settings 2 continuous speeds, slow and high speed
Wash / wipe program	Wash / wipe program	
Connections	10 poles connector – 2 male 6.3mm fast-on	10 poles connector – 2 male 6.3mm fast-on
Case	ABS black	ABS black
Working temperature	-10 °C / +50 °C	-10 °C / +50 °C
Storage Temperature	-20 °C / +70 °C	-20 °C / +70 °C



Wiper Control Options for 20/30/50/80/110Nm

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