

Fisher & Paykel

HEALTHCARE

SERVICE MANUAL FOR IW900 SERIES INFANT WARMER & ACCESSORIES

MANUFACTURED BEFORE JUNE 2008

**IW910 Baby Control Mobile Infant Warmer
IW920 Manual Control Mobile Infant Warmer
IW930 Series Baby Control CosyCot™ Infant Warmer
IW950 Series Manual Control CosyCot™ Infant Warmer
IW980 Baby Control Wall Mount Infant Warmer
IW990 Manual Control Wall Mount Infant Warmer
IW900 Series Infant Warmer Accessories**

20-28	EEPROM ERROR	Non-volatile memory error (a problem was detected with the non-volatile memory - most of these errors can be recovered from by switching the device off then on again).	Turn mains power switch off. Turn warmer on again. If error code is still present, contact distributor.
30	NOT CONFIGURED	A device configuration is not selected. The device is configured during manufacture and cannot run if a particular model variant has not been set.	Contact distributor.
31	STUCK BUTTON	One of the buttons is stuck down. This can be caused by holding one of the buttons down while the device is turned on.	Turn mains power switch off. Turn warmer on again, without touching control panel. If error code is still present, contact distributor.
34	LIGHT CIRCUIT FAULTY	The light has been detected as turned on when it should be turned off. There is either a fault in the light control circuitry or the light sense circuitry.	Contact distributor.
35	TEMPERATURE PROBLEM	Measurement from the temperature references are so far out of tolerance that auto-calibration of the skin sensor temperatures is impossible. It is likely that the temperature circuit is faulty.	Contact distributor.
36	DEVICE UNTESTED	Contact distributor.	Contact distributor.

2.7 Specification for IW910 and IW920 Mobile Infant Warmers

2.7.1 Electrical Specifications

SUPPLY VOLTAGE AND CURRENT	230 V~ ± 20 V~ 120 V~ 100 V~ ± 10 V~	2.2 A~ maximum 4.2 A~ maximum 5.1 A~ maximum
SUPPLY FREQUENCY	50/60 Hz	
NOMINAL POWER CONSUMPTION	230 V~ model 120 V~ model 100 V~ model	510 W 510 W 510 W
HEATER POWER	450 W <i>Matress irradiance is 32 mW/cm² at 100% heater power and 68 cm (26.8") heater grill to matress distance</i>	
LIGHT POWER	20 W <i>Maximum intensity is 400 lux at 68cm (26.8") heater grill to matress distance</i>	
TEMPERATURE RANGE	Set temperature from 34.5°C to 37.5°C in 0.1°C steps	
TEMPERATURE MEASUREMENT	Displayed range of 4.0°C to 50.0°C in 0.1°C steps Sensor accuracy of ± 0.1°C Skin temperature control resolution of 0.01°C	
TEMPERATURE SENSOR	Twin YSI 400 compatible thermistors with 100 MΩ insulation at 500V between all electrical contacts and the skin surface	

Mechanical Specifications

HEIGHT	Adjustable from 151 cm to 191 cm (59.4" to 75.2") <i>To suit bassinets from 71 cm to 111 cm (28" to 43.7")</i>
WIDTH	65 cm (25.6")

DEPTH	110 cm (43.3")
WEIGHT WITHOUT ACCESSORIES	22 kg (48.5 lb)
MAXIMUM LOADING	4 kg (8.8lb) of Accessories, 26 kg (57.3 lb) total weight
HEATER HEAD ROTATION	-130° to +130° from centre position
CASTORS	5 x Ø 50 mm (2"), all locking

6.3. IW910/920 Mobile Column Assembly

6.3.1 Mobile Column Assembly Parts List

<i>Item</i>	<i>Part Number</i>	<i>Description</i>
1	641040763	Bracket support
2	389045063	Ferrite core EMI clamp
3	095428299	Harness mains inlet
4	043042399	Cap plastic column lower - mobile
5	614040309	Screw M8 x 20 cap low profile
6	341050216	Socket power inlet snap mobile
7	647040117	Cable grip p-type
8	614040117	Screw M4x8 Taplite
9	693040706	Plug set (5 pieces)
10	043040978	Pole extendible assembly
11	187040191	Polysleeve 41 mm x 100 cm
12	662040056	Spring mobile warmer pole
13	655040082	Stabiliser weight base mobile
14	651040172	Hook cable
15	693041480	Base mobile finished
16	665040014	Castor locking 50 mm
17	622040624	Washer M12 spring
18	614040614	Screw M12x25 Allen S/S button

6.3.2 Mobile Column Assembly Diagram

