Nessecom Dry area call point specification

J1: Program Connector

J2: Front Membrane connector

J3: Standard Mode

Pin 1	Power supply in 12-24V DC
Pin 2	Call Active 2 Momentary out
Pin 3	Power Supply in ground or common (0Volt)
Pin 4	External Input CA2 (Positive Trigger)
Pin 5	CA2 Latching output (Polarity set by JP1)
Pin 6	Call Cancel Momentary Output (Polarity set by JP1)
Pin 7	CA1 Latching output (Polarity set by JP1)
Pin 8	External Cancel input (Positive Trigger)

J4: Standard Mode

Pin 1	Power supply in 12-24V DC
Pin 2	Call Active 1 Momentary out (Polarity set by JP1)
Pin 3	Power Supply in ground or common (0Volt)
Pin 4	External Input CA1 (Positive Trigger)
Pin 5	CA2 Latching output (Polarity set by JP1)
Pin 6	Call Cancel Momentary Output (Polarity set by JP1)
Pin 7	CA1 Latching output (Polarity set by JP1)
Pin 8	External Cancel input (Positive Trigger)

J5: Standard Mode

Pin 1	External in for Call Active 1 (positive only)
Pin 2	Call active 2 output latching
Pin 3	Call active 1 output latching
Pin 4	Power supply in 12-24V DC

J6: Standard Mode

Pin 1	Call active 1 Momentary output
Pin 2	Power Supply in ground or common (0Volt)
Pin 3	Call Cancel Momentary output
Pin 4	Bed light trigger (polarity controlled by JP2)

J10: Bluetooth Connector. Bluetooth is automatically turned on and reset with start-up.

JP Switch	ON	OFF
JP 1	Output Polarity Positive	Output Polarity Negative
JP 2	Bed Light 0V output	Bed Light 24V output
JP 3	Bed Mat N/O	Bed Mat N/C
JP 4	Legacy compatibility Mode	Normal Mode

JP5: Sets Pendant Call to CA1 or CA2

Socket configuration:

Socket insertion lockout:

To avoid accidental activation while sockets are being inserted, press cancel button for 3 seconds. Call point lights will flash then rest on red to indicate lockout of CA1 & CA2 for 15 seconds allowing insertion of jacks without alarms. Once socket is correctly seated, all front panel lights will flash to indicate.

Front socket RHS "PENDANT" Call:

Contact of TIP and RING is made on "Pendant" socket. Contact is set to N/O. Call can be set to CA1 or CA2 from JP5.

Pendant out Alarm:

To program Pendant out Alarm set jumper pin on JP5 to CA1 or CA2. Press front plate call button for more than 4 seconds (lights will flash to indicate programming mode). Pendant out alarm can then be set by pressing pendant call. Note* The pendant out alarm will not be disabled by lockout function. If pendant out alarm is required to be continuous without pendant or dummy plug, please notify at time of ordering.

Front socket RHS "PENDANT" BED LIGHT:

Provides pulse signal to external relay to allow patient bed light to turn on and off. Activation comes via momentary contact of TIP and sleeve on "PENDANT" socket. Contact is set to normally open. Polarity can be set to 0V or 24V via JP2.

Front socket LHS "MAT":

Socket is permanently set to CA2 and uses TIP and RING on "MAT" socket. Contact can be set to N/O or N/C by JP3.

Configuration check:

If any configuration settings are changed post power up, press cancel button once to re-scan config.

Cleaning Mode:

By Pressing cancel button for 3 seconds CA1 and CA2 are locked out for 15 seconds allowing for plate cleaning. Front LEDS flash then rest on red led to indicate lockout mode.

Legacy Configuration Mode

By setting JP4 the call point mapping changes to legacy mode as per table below.

J3: Legacy Mode

Pin 1	Power supply in 12-24V DC
Pin 2	Not used
Pin 3	Power Supply in ground or common (0Volt)
Pin 4	Not used
Pin 5	Call Active 2 Momentary (Positive only)
Pin 6	Call Cancel 1&2 Momentary (Positive only)
Pin 7	Call Active 1 Momentary (Positive only)
Pin 8	Call Cancel 1&2 Momentary (Positive only)

J4: Legacy Mode

Pin 1	Power supply in 12-24V DC
Pin 2	Not used
Pin 3	Power Supply in ground or common (0Volt)
Pin 4	External Input CA1 (Positive Trigger)
Pin 5	Call Active 2 Momentary (Positive only)
Pin 6	Call Cancel 1&2 Momentary (Positive only)
Pin 7	Call Active 1 Momentary (Positive only)
Pin 8	Call Cancel 1&2 Momentary (Positive only)

J5: Legacy Mode

Pin 1	External in for Call Active (positive only)
Pin 2	Call active 2 output latching (Positive only)
Pin 3	Call active 1 output latching (Positive only)
Pin 4	Power supply in 12-24V DC

J6: Legacy Mode

Pin 1	Call active 1 Momentary output (Positive only)
Pin 2	Power Supply in ground or common (0Volt)
Pin 3	Call Cancel Momentary output (Positive only)
Pin 4	Bed light trigger (polarity controlled by JP2)

Legacy mode notes*

- To use “Call Cancel” 1 & 2, solder bridge must be put on front of board to common outputs.
- Cleaning mode is not available in this mode.
- Socket insertion lockout is not available in this mode.