

# Ordering System Order Builder Module Help

## CONTACT SUPPORT:

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## GENERAL INFORMATION

SIMPLWINDOWS NAME:	Ordering System Order Builder V1.0
CATEGORY:	Miscellaneous
VERSION:	1.0
SUMMARY:	Used to build room's order to have the ordering service capability, the module is used to create, modify, cancel, and send order to the central service room
CRESTRON HARDWARE REQUIRED:	3-series & 4-series processors <b>only</b>
SETUP OF CRESTRON HARDWARE:	N/A
CABLE DIAGRAM:	N/A

## NOTES:

General Notes:	<ul style="list-style-type: none"><li>In order for the module central service room to identify the origin of each order, this module needs to know the ID for the associated room, this information is stored in a local data file for room list, these data are read from the local file using the <b>Ordering System Rooms Manager</b> module, so to make sure of data integrity, the room ID should be passed from the <b>Ordering System Rooms Manager</b> module to this module</li></ul>
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## CONTROL:

<b>room_id</b>	S	Use to set the room ID, this ID is required for the central service room to identify the origin of the order, this string should be connected to the corresponding ID from the <b>Ordering System Rooms Manager</b> module
<b>create_order</b>	D	Pulse to create the order data string and send it to the central service room, the order is created from the items added to this module using the <b>add_item</b> signal below
<b>cancel_order</b>	D	Pulse to cancel current order, the behavior of this signal will depend on the status of the order, which are: <ul style="list-style-type: none"> <li>- If order was composed but not yet sent, order data will be cleared from the module so user can start from scratch</li> <li>- If order was created and sent to central service room, order will be marked as canceled and sent to the central service room to indicate that the order is canceled</li> <li>- If order is being modified after sent to the central service room, current modifications will be canceled, and order will revert to what was sent to the central service room before modification</li> </ul>
<b>order_id</b>	S	Use to set the order ID as set by the <b>Ordering System Orders Manager</b> module, this signal should be linked to the data from that module, this is applicable only if order was sent to central service room
<b>order_status_from_orders_manager</b>	A	Use to set the order status as set by the <b>Ordering System Orders Manager</b> module, this signal should be linked to the data from that module, this is applicable only if order was sent to central service room  <u><b>Possible values:</b></u> 0: Order is blank or empty 1: Order is composed or modified, but not yet sent to central service room 2: Order is created and sent to central service room 3: Order is modified/updated and sent to central service room 4: Order is being prepared by the central service room 5: Order is on the way 6: Order is completed and fulfilled 7: Order is canceled by the user
<b>item_number</b>	A	Use to set the item number selected from the order item list, this signal is mainly used in conjunction with the <b>delete_item</b> to remove item from order
<b>item_data_string</b>	S	Use to set the ordered item data, these data contains the item information and the required quantity, these data is composed using the <b>Ordering System Order Item Data Encoder</b> module, that's why this signal should be connected to the output of the <b>Ordering System Order Item Data Encoder</b> module, currently this signal is only used in conjunction with the <b>add_item</b> signal to add item data to order
<b>add_item</b>	D	Pulse to add the item data sent to the <b>item_data_string</b> signal to the order's item list, using these 2 signals together will enable to add items to order's item list
<b>delete_item</b>	D	Pulse to delete item from the order's item list, the item number/index is passed to the <b>item_number</b> signal
<b>get_item_data_string</b>	D	Pulse to get item data for the selected item from the order's item list, the item number/index is passed to the <b>item_number</b> signal, extracted data will be sent through the <b>target_item_data_string</b> signal

## FEEDBACK:

<b>order_data_string</b>	S	Displays the composed order data string, these data should be sent to the <b>Ordering System Orders Manager</b> module to send it to the central service room The data on this signal will change when the <b>create_order</b> or <b>cancel_order</b> signals are triggered
<b>order_status</b>	A	Displays the status of the order based on the changes done on the order, either using this module or the <b>Ordering System Orders Manager</b> module  <b>Possible values:</b> 0: Order is blank or empty 1: Order is composed or modified, but not yet sent to central service room 2: Order is created and sent to central service room 3: Order is modified/updated and sent to central service room 4: Order is being prepared by the central service room 5: Order is on the way 6: Order is completed and fulfilled 7: Order is canceled by the user
<b>target_item_data_string</b>	S	Displays the item data for the selected item from the order's item list, these data are encoded data containing the item information and quantity, this signal should be passed to <b>Ordering System Order Item Data Decoder</b> module to get a user readable information
<b>items_count</b>	A	Displays the total number of items added to order
<b>item_*_data_string</b>	A	Displays the item data string for all items added to order, these data are encoded data containing the item information and quantity, this signal should be passed to <b>Ordering System Order Item Data Decoder</b> module to get a user readable information and show on the touch panel

## TESTING:

<b>OPS USED FOR TESTING:</b>	3-Series: v1.601.3934.21185
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.14.20
<b>DEVICE DB USED FOR TESTING:</b>	200.01.001.00
<b>CRES DB USED FOR TESTING:</b>	200.00.004.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1113
<b>SAMPLE PROGRAM:</b>	Ordering System V1.0 Demo DIN-AP3
<b>REVISION HISTORY:</b>	V1.0 Initial Release