ascom

Product:	Multiple Medical Alarm Module
	CE-marked in accordance with MDD (EU/EFTA)[1]
	Four (4) medical alarm inputs
	Medical device alarm LED indicator
	Medical device connected indicator
	Intentional disconnect function
	Connector mating counter
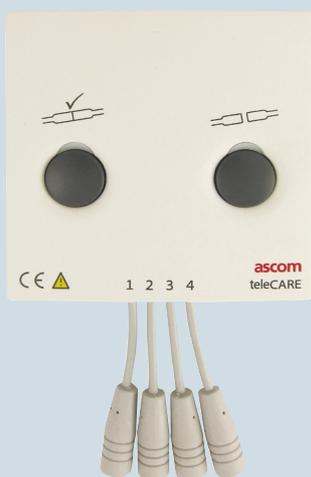
ASCOM MULTIPLE MEDICAL ALARM MODULE – INTERFACING MEDICAL DEVICES

Whether used next to a patient's bed in a general hospital or an ICU room, the Ascom Multiple Medical Alarm module is an effective solution for managing medical devices[2] and their alarms.

In today's hospitals the number of medical equipment connected to a patient bed is increasing. The Ascom Multiple Medical Alarm (MMA) module provides for the simple integration and connection of up to four separate medical devices into an Ascom teleCARE IP nurse call system.

Patient safety first
To support staff in always attending to the most urgent alarm first, the MMA indicates the type of alarm and the level of priority of each alarm.

Also, medical alarms can only be reset at the medical device ensuring that staff cannot remotely delete an alarm by mistake.

Confidence in connection
When a medical device is connected, the MMA signals a secure and functioning connection, and the device alarm functionality can always be confirmed with a test feature.

Each connector is monitored for wear by an integrated mating counter which helps prevent unexpected device failure and facilitates planned maintenance.

Tackling alarm fatigue
The connection to the Ascom teleCARE IP nurse call system ensures that all medical alarms are sent to staff with the appropriate competences.

A medical device can be disconnected without producing an accidental or unwanted alarm by using the intentional disconnect function which also indicates when the device can be safely disconnected.

The MMA module has been designed to conform to the MDD (Medical Device Directive) and other applicable regulations in EU/EFTA.

Features and benefits MMA:		
Feature	MMA module	Main benefits
Safe release inputs	4 independent inputs	Preventing damage to the equipment when disconnecting it
Device connect indication	Yes	Knowing that the medical device is properly connected
Test alarm	Yes	Knowing that received alarms are displayed on the display device
Intentional disconnect	Yes, timed operation (3 second window)	Knowing that unwanted alarms are prevented when the medical device is disconnected
Line break monitoring	Yes	Knowing that a defect cable will trigger a notification
Mating counter for the connectors	Yes, alerts at ca. 5,000 input/output operations	Receiving an early notification when the connector is close to its mechanical life time makes it easier to plan preventive maintenance
Electric isolation barrier	Yes	Knowing that patient and staff safety is optimized

1. Only for sales in EU/EFTA.
2. Medical devices with a potential free normally open contact