Title: Arming/Disarming Keypad Test

Objective: Verify device is installed using acceptable standards and practices, communicates properly with the IDS, and provides proper protection of assets and meets or exceeds the contract performance specification.

Applicability: Intrusion Detection System (IDS)

Notes:

1. Assumes a room with an arming/disarming keypad on the secure side, a Balanced Magnetic Switch (BMS) on the door, and motion sensor coverage.
2. Program alarm delays only for those sensors that would activate prior to the user reaching the keypad and entering the disarm code. All other sensors operate without delay.
3. Real-time voice communications between the workstation operator and the field technician is required.

Steps	Actions	Expected Results
1.0	**Arming Test**	
1.1	Ensure the room is in the ACCESS state.	Workstation indicates zone is in ACCESS state.
1.2	Input correct arming code.	No alarms are received at the workstation. Keypad and system both show SECURE.
1.3	Exit within the appropriate delay period.	No alarms are received at the workstation. Zone is SECURE.
2.0	**Disarming Test**	
2.1	Ensure the room is in the SECURE state.	Workstation indicates zone is in SECURE state.
2.2	Enter the secure space.	BMS and motion sensors show activity, but no alarms are received at the workstation.
2.3	Enter the correct disarming code within the delay period.	No alarms are received at the workstation. Keypad and system both show ACCESS.
2.4	Walk through the zone and attempt to activate each sensor that has been disarmed.	No alarms are received at the workstation.
2.5	Attempt to activate 24/7 alarms (such as emergency exits).	Alarm received at workstation.
2.6	Clear the alarm at the workstation.	The active alarm queue is empty.
3.0	**Incorrect Code Test - Arming**	
3.1	Ensure the room is in the ACCESS state.	Workstation indicates zone is in ACCESS state.
3.2	Input an incorrect arming code.	No alarms are received at the workstation. Keypad alerts user that system was not armed. Keypad and system both show ACCESS.
3.3	Repeat 3.2 until the maximum number of allowed attempts is reached.	Alarm received at workstation.
3.4	Clear the alarm at the workstation.	The active alarm queue is empty.

Steps	Actions	Expected Results
4.0	**Incorrect Code Test - Disarming**	
4.1	Enter the secure space.	BMS and motion sensors show activity, but no alarms are received at the workstation.
4.2	Enter an incorrect disarming code.	Keypad alerts user that system did not disarm. Keypad and system both show SECURE.
4.3	Repeat 4.2 until the maximum number of allowed attempts is reached within the allotted time.	Workstation shows keypad alarm.
4.4	Clear the alarm at the workstation.	The active alarm queue is empty.
5.0	**Delayed Exit After Arming Test**	
5.1	Enter the correct arming code.	No alarms are received at the workstation. Keypad and workstation both show SECURE.
5.2	Exit the secure space after the programmed delay period ends.	Intrusion alarm received at the workstation after the alarm is received.
5.3	Clear the alarm at the workstation.	The active alarm queue is empty.
6.0	**Delayed Disarming Test**	
6.1	Enter the armed space.	BMS and motion sensors show activity, but no alarms are received at the workstation.
6.2	Wait for the delay period to end.	Intrusion alarm is received at the workstation.
6.3	Enter the correct disarming code.	Keypad and workstation both show ACCESS. Alarms are still active.
6.4	Clear the alarm at the workstation.	The active alarm queue is empty.
7.0	**Duress Code Test**	
7.1	Ensure the room is in the SECURE state.	Workstation indicates zone is in SECURE state.
7.2	Enter the secure space.	BMS and motion sensors show activity, but no alarms are received at the workstation.
7.3	Enter the duress code within the delay period.	Alarm is received at the workstation. Keypad shows ACCESS.
7.4	Clear the alarm at the workstation.	The active alarm queue is empty.