

Bitron 5 wire video - LOCK RELEASE NOT WORKING

Carry out the following tests. Short circuit CD and 1 directly on the GVM 70 (Domular entrance panel) terminals. The lock should operate. If not check across lock coil if 12v ac is present (whilst CD & 1 are shorted). If it is present the lock is faulty.

If no voltage is present during the test:

- a) either faulty cable or connections between the lock and the entrance panel terminal ~ & AP.
- b) GVM 70 (video entrance panel), monitor or cable not working.

Make the following tests. Short 1 and C of the first monitor (The lock should work). If it does not, check the connection of 1 & C (You will also notice that speech and call do not work).

If the lock works when the monitors are off and not when they are on the cables diameters used are too small. To check this, measure the voltage across CD and 1 of the camera panel when the lock release button is pressed on a monitor. If voltage is higher than 3v, this is confirmation that cables diameters are insufficient.

Two - wire system operation

In the two wire door phone system 3 different signals are on the same cable (Call, speech & lock release). In order to discriminate between 3 things, 3 levels are used. Speech is on positive dc level, call on negative level and lock release signal on ground level.

When voltage on CD of speaker unit goes below 3v, 12v ac becomes available between ~ & AP to drive the lock release.