

EDITION:

2003 02 15

Operating instructions

Reversing loop modules MX7, MX7/3

current version (from March 2002)

1. Allgemeines

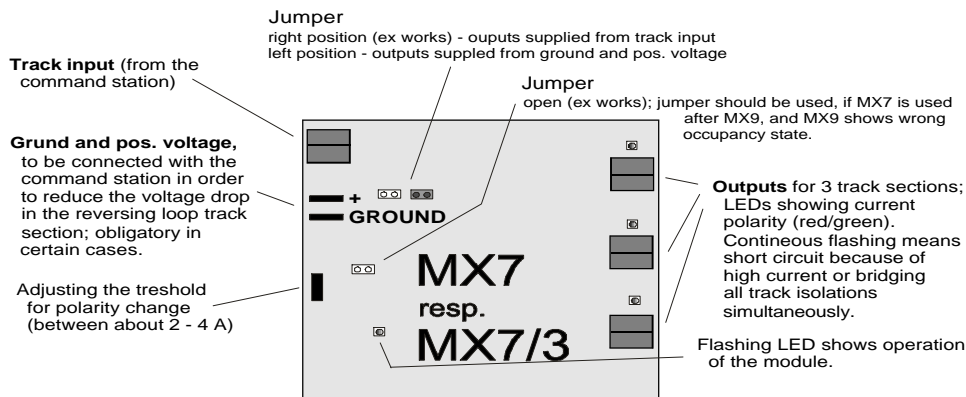
By using a MX7 and isolating a section of track with gaps in both rails on either side every reversing loop configuration (also turntables) can be wired and used without any problems. The changing of polarity in the reversing loop section is done very quickly (within some microseconds) when the train is crossing the gap and causes a short circuit. The train continues running without any visible influence from the reversing loop; and it is always fully controllable by the cab.

Triple reversing loop module MX7/3:

This device contains three times the circuitry of the MX7. It is used for cases, when not enough space for a reversing loop section containing a full length of a whole train is available. Then three both-rail-gapped sections (instead of one) should be built in such a way, that the probability of crossing all four gaps at the same time is very low. The usual way is to make one section in the length of a loco (or a consist of locos), and adjacent (on both sides) a short section (in the length of a bogie).

2. Specifications

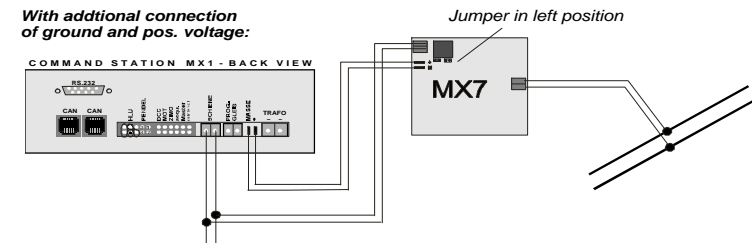
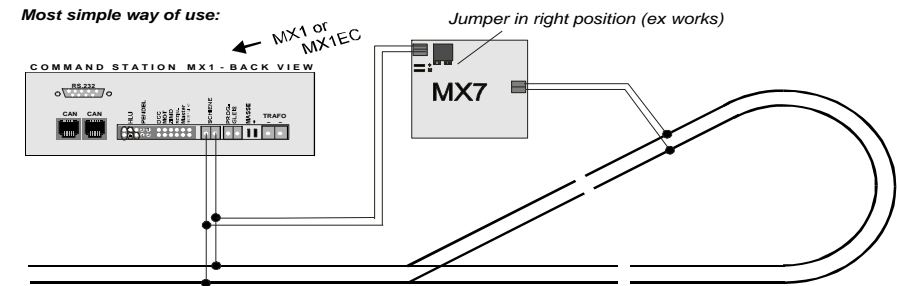
Track outputs 3 A (Overcurrent protection)



The potentiometer allows to adjust the current threshold, which causes the automatic change of polarity (and which is also the indication for a real overcurrent condition, which is assumed, when the current goes beyond the threshold also after some polarity changes). In the latter case the output LED is flashing.

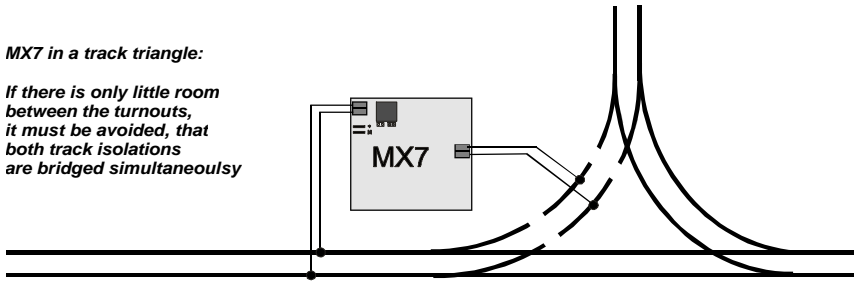
Normally it is not necessary to modify the original adjustment; for large scales sometimes it is necessary to make a turn to the right side.

3. Track sections and connections to MX7



MX7 in a track triangle:

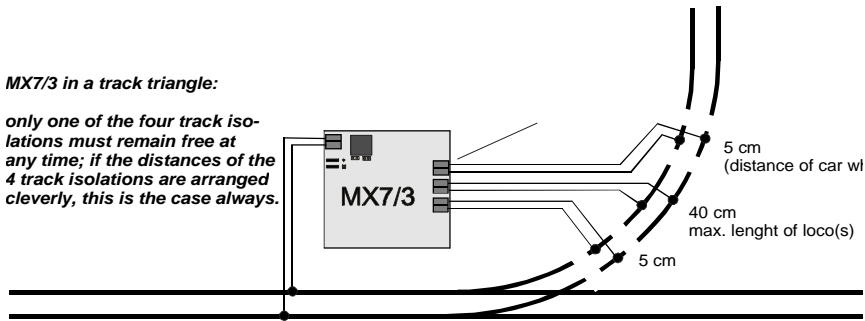
If there is only little room between the turnouts, it must be avoided, that both track isolations are bridged simultaneously



5.

MX7/3 in a track triangle:

only one of the four track isolations must remain free at any time; if the distances of the 4 track isolations are arranged cleverly, this is the case always.



MX7 used after track section module MX9:

