Notes on connection and control of American Dynamics dome
(RS422 communication protocol)

C_AD422.bin

Settings (fixed):
4800 baud, no parity, 1 stop bit, 8 data bits

Important:
The dome is operated exclusively in so-called "RS422 mode". This must not be confused with "Manchester Data" or "SensorNet".
The management of the default settings comprises up to 96 items and takes effect with series AD DeltaDome, SpeedDome Optima and SpeedDome Ultra V (from version 3.06).

The dome is generally connected using a 9-pin screw terminal. The assignment is shown in the manual under the heading "RS422 data and power".
The **Data Out** – High or Low outputs are left unswitched.

AD dome and DNI connection:

RS422 Data in High (+)

RS422 Data inLow (-)

TxD +

TxD -

1   5