## Recorder functions

Object : 0x2000

Sub index:

|  |  |  |
| --- | --- | --- |
| # | Get | Set |
| 1 | Reflection | Recorder gap |
| 2 | Reflection | Recorded length |
| 3 | Reflection | Number of recorded signals |
| 4 | Reflection | Index of trigger function:  0 = immediate |
| 5 | Reflection | Number of samples to take before trigger |
| 6 | Reflection | Recorder rate:  0: Every high speed interrupt  1: “Big” process |
| 7 | Reflection | Index of signal to fetch |
| 8 | Reflection | Index of the first record to fetch |
| 9 | Reflection | Index of the last record to fetch |
| 10+k, k = 0…N\_RECS\_MAX-1 | For the k’th recorded signal:  Signal index + (flags<<16)  Flags.1: Is float  Flags.2 = Is unsigned  Flags.3 Is short | Set the k’th recorded signal to index = value |
| 99 | Status:  .0: Recorder is stopped  .1: Trigger is active  .4: Recorder is active | - |
| 100 | Get a record, as defind by sub-indices 7-8-9 | Start new recorder session |

# PD specific functions

## Object 0x2101: Program stop axes (12V rs485 chain)

|  |  |  |
| --- | --- | --- |
| Sub-index | Description | Values |
| 1 | Set the mode of the network | Set **10** for manual mode.  All the other modes are automatic and are not working for PC communication |
| 2 | Offset | The offset in the control table of the object to read/write |
| 3 | Number of bytes | The number of bytes corresponding to the read/write object |
| 20 | Payload, up to 4 bytes in one long integer | The number to program |
| 21..24 | Provisions for payloads longer than 4 bytes |  |
| 100 | Set ID and transmit payload | Up to 4 ID’s can be transmitted, one byte per ID  e.g. for transmitting to ID =2 the value is 2,  Transmitting to 2 and 3 and 4 is  ID = 0x040302 |
| 101 | Set ID and retrieve status response from the Dynamixel | See ID definition in sub-index 100 |