

Start

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graph TD; Start([Start]) --> GetIndex[get index of vialToSendNext]; GetIndex --> GetVial[get vial number from struct<br/>convert from int to string]; GetVial --> WriteVial[write vialnum to master (2 bytes)]; WriteVial --> GetFlow[get flow value from struct<br/>convert from int to string; zero pad to 4 digits]; GetFlow --> ConvertFlow[convert from string to char array]; ConvertFlow --> WriteFlow[write flow value to master (6 bytes)]; WriteFlow --> GetControl[get control (output) value<br/>convert from int to string; zero pad to 4 digits]; GetControl --> ConvertControl[convert from string to char array]; ConvertControl --> WriteControl[write control value to master (6 bytes)]; WriteControl --> WritePlaceholder[write placeholder to master (6 bytes)]; WritePlaceholder --> End([End]);
```

get index of vialToSendNext

get vial number from struct
convert from int to string

**write vialnum to
master (2 bytes)**

get flow value from struct
convert from int to string; zero pad to 4 digits

convert from string to char array

**write flow value to
master (6 bytes)**

get control (output) value
convert from int to string; zero pad to 4 digits

convert from string to char array

**write control value
to master (6 bytes)**

**write placeholder
to master (6 bytes)**

End