

Common Laser Controller Command Set

List of common commands for controlling the laser controller in both the Peak Lock Servo and Peak Lock Servo & Current Controller and the Offset Phase Lock Servo & Current Controller.

Laser?

Description

Arguments:

```
No Arguments Taken
```

Example:

```
Laser?  
On
```

I₂C Command Number: 16

Returns the status of the laser (on, off or fault). `</div>`

Laser

Description

Arguments:

```
[ASCII] On/Off
```

Example:

```
Laser On  
Fault
```

I₂C Command Number: 17

Turns the laser on or off. Valid arguments are ON or OFF. Only turns the laser on when no fault / interlock issues. Returns the output from the Laser? command. `</div>`

CurrSet?

Description

Arguments:

```
No Arguments Taken
```

Example:

```
CurrSet?  
147.6
```

I₂C Command Number: 18

Returns the laser current setpoint (in mA) for how much current will flow through the laser when the laser is on. `</div>`

CurrSet

Description

Arguments:

```
[Float] CURRENT
```

Example:

```
CurrSet 123.52  
123.5
```

I₂C Command Number: 19

Sets the setpoint laser current (in mA) to CURRENT. Returns the output from the **CurrSet?** command. `</div>`

CurrLim?

Description

Arguments:

```
No Arguments Taken
```

Example:

```
CurrLim?  
180.0
```

I₂C Command Number: 20

Returns the current limit (in mA) for the maximum current allowed to flow through the laser when the laser is on. `</div>`

CurrLim

Description

Arguments:

```
[Float] CURRENT
```

Example:

```
CurrLim 156  
156
```

I₂C Command Number: 21

Sets the maximum laser current to CURRENT. Returns the output from the **CurrLim?** command. *Note: If Laser Current is set above new current limit value, then current setpoint is lowered to new current limit value.* </div>

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