```
PID Algorithm
# p
# i
# d
# max
# min
+ PID Algorithm()
+ PID Algorithm()
+ compute()
+ set P()
+ set_l()
+ set D()
+ set PID()
+ get P()
+ get_l()
+ get_D()
+ set Limits()
+ get Upper()
+ get Lower()
+ ~PID Algorithm()
   Discrete PID
   output
   err
- II err
+ Discrete PID()
+ Discrete PID()
+ Discrete
            PID()
+ Discrete PID()
+ operator=()
+ operator=()
+ ~Discrete PID()
+ compute()
```